

A CHECKLIST OF THE ERIOGONOIDEAE (POLYGONACEAE)

JAMES L. REVEAL

Department of Botany, University of Maryland,
College Park, Maryland 20742-5815

ABSTRACT

A putative phylogenetic scheme of the generic and major infrageneric entities of the subf. Eriogonoideae (Polygonaceae), along with an index to the names, is given. More than 1500 names are accounted for. An index of important systematic literature is appended.

KEY WORDS: Polygonaceae, *Acanthogonum*, *Acanthoscyphus*, *Aristocapsa*, *Brisegnoa*, *Centrostegia*, *Chorizanthe*, *Dedeckera*, *Dodecahema*, *Eriogonella*, *Eriogonum*, *Eucycla*, *Gilmania*, *Goodmania*, *Harfordia*, *Hollisteria*, *Lastarriaea*, *Mucronea*, *Nemacaulis*, *Oxytheca*, *Phyllogonum*, *Pterogonum*, *Pterostegia*, *Sanmartinia*, *Stenogonum*, *Systemotheca*.

INTRODUCTION

In the series of papers on Polygonaceae subf. Eriogonoideae published in this volume of *Phytologia*, attempts have been made to summarize the present taxonomic knowledge on the genera that make up the subfamily. Although no complete revision of *Eriogonum* has been published yet, the general overall scheme seems clear. Some undescribed entities are noted here, and I am aware of one species not yet placed. The lack of type material is currently preventing these entities from being proposed.

The treatment of the perennial species of *Chorizanthe* (species numbers 254-263) must be regarded as highly tentative. Authentic type material of some of the species has not yet been seen, and the lack of field experience compounds my overall ignorance of the group.

Synonyms are listed by date of publication with the basionym cited first followed by its nomenclatural synonyms, if any. Nomenclatural synonyms of the accepted names are given immediately following those names. Full author citations are given in all instances. The largest genus is *Eriogonum* with 240 species, followed by *Chorizanthe* with 51. A total of 17 genera and 316 species are listed.

LIST OF ENTITIES, INDEX AND LITERATURE

The following listing is divided into three parts. The first is a numeric summary of the Eriogonoideae; the second is an index to all published names; the third is a listing of the more important systematic literature on the Eriogonoideae.

ACKNOWLEDGMENTS

This is Scientific Article A-4943, Contribution Number 7986, Maryland Agricultural Experiment Station.

1. ERIOGONUM Michx.

1. Subg. Eucycla Nutt.

1. E. microthecum Nutt.

1a. var. laxiflorum Hook.

E. microthecum subsp. *laxiflorum* (Hook.) S. Stokes

E. confertiflorum Benth. in A.D.C. - *E. microthecum* var. *confertiflorum* (Benth. in A.D.C.) Torr. & A. Gray - *E. microthecum* subsp. *confertiflorum* (Benth. in A.D.C.) S. Stokes

E. spathulare Gandoger, nom. illeg. - *E. microthecum* var. *spathulare* S. Stokes

E. intricatum Gandoger, nom. illeg., non Benth. in Hinds.

E. tenellum Torr. var. *grandiflorum* Gandoger

E. tenellum Torr. var. *sessiliflorum* Gandoger

1b. var. simpsonii (Benth. in A.D.C.) Rev.

E. simpsonii Benth. in A.D.C. - *E. effusum* Nutt. subsp. *simpsonii* (Benth. in A.D.C.) S. Stokes

E. effusum Nutt. var. *foliosum* Torr. & A. Gray - *E. microthecum* var. *foliosum* (Torr. & A. Gray) Rev.

E. microthecum var. *rigidum* Eastw. - *E. microthecum* subsp. *rigidum* (Eastw.) S. Stokes

E. friscanum M.E. Jones - *E. microthecum* var. *friscanum* (M.E. Jones) S. Stokes

E. macdougalii Gandoger, nom. illeg. - *E. microthecum* var. *macdougalii* S. Stokes

E. nelsonii L.O. Williams - *E. effusum* Nutt. subsp. *nelsonii* (L.O. Williams) S. Stokes

E. microthecum subsp. *intermedium* S. Stokes

1c. var. panamintense S. Stokes

E. effusum Nutt. var. *limbatum* S. Stokes

1d. var. corymbosoides Rev.

1e. var. johnstonii Rev.

1f. var. lapidicola Rev.

1g. var. alpinum Rev.

1h. var. ambiguum (M.E. Jones) Rev. in Munz

E. aureum M.E. Jones var. *ambiguum* M.E. Jones - *E. fruticosum* A. Nelson - *E. ambiguum* (M.E. Jones) A. Nelson - *E. corymbosum* Benth. in A.D.C. var. *ambiguum* (M.E. Jones) S. Stokes

E. tenellum Torr. var. *erianthum* Gandoger

E. microthecum var. *expansum* S. Stokes

1i. var. microthecum

E. microthecum subsp. *typicum* S. Stokes

E. idahoense Rydb. - *E. microthecum* var. *idahoense* (Rydb.) S. Stokes

2. E. effusum Nutt.

2a. var. effusum

E. microthecum Nutt. var. *effusum* (Nutt.) Torr. & A. Gray - *E. effusum* subsp. *typicum* S. Stokes

E. myrianthum Gandoger, nom. illeg.

2b. var. rosmarioides Benth. in A.D.C.

E. helichrysoides Gandoger, nom. illeg. - *E. helichrysoides* Rydb. - *E. effusum* subsp. *helichrysoides* (Rydb.) S. Stokes

3. E. leptocladon Torr. & A. Gray

3a. var. ramosissimum (Eastw.) Rev.

E. ramosissimum Eastw. - *E. eastwoodae* M.E. Jones

E. pallidum Small - *E. effusum* Nutt. var. *pallidum* (Small) S. Stokes

3b. var. papiliunculi Rev.

3c. var. leptocladon

E. microthecum Nutt. var. *leptocladon* (Torr. & A. Gray) Torr. & A. Gray - *E. effusum* Nutt. subsp. *leptocladon* (Torr. & A. Gray) S. Stokes

E. effusum Nutt. var. *shandsii* S. Stokes

4. E. nummularae M.E. Jones

E. kearneyi Tidestrom - *E. nodosum* Small var. *kearneyi* (Tidestrom) S. Stokes

E. dudleyanum S. Stokes

E. nodosum Small subsp. *monoense* S. Stokes - *E. kearneyi* var. *monoense* (S. Stokes) Rev. - *E. kearneyi* subsp. *monoense* (S. Stokes) Munz ex Rev.

5. E. ammophilum Rev.

E. nummularae M.E. Jones var. *ammophilum* (Rev.) Welsh

6. E. leptophyllum (Torr. in Sitgreaves) Wootton & Standley

E. effusum Nutt. var. *leptophyllum* Torr. in Sitgreaves - *E. microthecum* Nutt. var. *leptophyllum* (Torr. in Sitgreaves) Torr. & A. Gray

7. E. clavellatum Small

8. E. bicolor M.E. Jones

E. microthecum Nutt. subsp. *bicolor* (M.E. Jones) S. Stokes

9. E. ripleyi J.T. Howell

10. E. ericifolium Torr. & A. Gray

10a. var. pulchrum (Eastw.) Rev.

E. pulchrum Eastw. - *E. microthecum* Nutt. subsp. *pulchrum* (Eastw.) S. Stokes - *E. mearnsii* Parry in Britton var. *pulchrum* (Eastw.) Kearney & Peebles

10b. var. ericifolium

E. fasciculatum Benth. var. *ericifolium* (Torr. & A. Gray) M.E. Jones - *E. microthecum* Nutt. subsp. *ericifolium* (Torr. & A. Gray) S. Stokes

E. mearnsii Parry in Britton - *E. microthecum* Nutt. var. *mearnsii* (Parry in Britton) S. Stokes

10c. var. thornei Rev. & Henrickson

E. ericifolium subsp. *thornei* (Rev. & Henrickson) Thorne

11. E. smithii Rev.

E. corymbosum Benth. in A.D.C. var. *smithii* (Rev.) Welsh

12. E. mortonianum Rev.

13. E. corymbosum Benth. in A.D.C.

13a. var. corymbosum

E. effusum Nutt. subsp. *corymbosum* (Benth. in A.D.C.) S. Stokes

- E. corymbosum* var. *divaricatum* Torr. & A. Gray—*E. divergens* Small—*E. effusum* Nutt. subsp. *divaricatum* (Torr. & A. Gray) S. Stokes
- 13b. var. *erectum* Rev. & Brotherson
E. salinum A. Nelson—*E. effusum* Nutt. subsp. *salinum* (A. Nelson) S. Stokes
- 13c. var. *dauidsei* Rev.
- 13d. var. *revealianum* (Welsh) Rev.
E. revealianum Welsh
- 13e. var. *orbiculatum* (S. Stokes) Rev. & Brotherson
E. effusum Nutt. subsp. *orbiculatum* S. Stokes
- 13f. var. *velutinum* Rev.
- 13g. var. *aureum* (M.E. Jones) Rev.
E. aureum M.E. Jones—*E. fruticosum* A. Nelson, nom. superfl.—*E. microthecum* subsp. *aureum* (M.E. Jones) S. Stokes
- E. aureum* M.E. Jones var. *glutinosum* M.E. Jones—*E. fruticosum* A. Nelson var. *glutinosum* (M.E. Jones) A. Nelson—*E. corymbosum* var. *glutinosum* (M.E. Jones) M.E. Jones
- E. crispum* L.O. Williams—*E. microthecum* Nutt. var. *crispum* (L.O. Williams) S. Stokes
14. *E. lancifolium* Rev. & Brotherson
E. effusum Nutt. subsp. *durum* S. Stokes
15. *E. hylophilum* Rev. & Brotherson
16. *E. jonesii* S. Watson
E. lanosum Eastw.
17. *E. lonchophyllum* Torr. & A. Gray
- 17a. var. *lonchophyllum*
E. salicinum E. Greene—*E. effusum* Nutt. subsp. *salicinum* (E. Greene) S. Stokes
- E. scoparium* Small—*E. nudicaule* (Torr. in Whipple) Small subsp. *scoparium* (Small) S. Stokes
- E. tristichum* Small—*E. nudicaule* (Torr. in Whipple) Small subsp. *tristichum* (Small) S. Stokes
- E. sarothriforme* Gandoger, nom. illeg.
- E. humivagans* Rev.—*E. corymbosum* Benth. in A.D.C. var. *humivagans* (Rev.) Welsh
- 17b. var. *fendlerianum* (Benth. in A.D.C.) Rev.
E. microthecum Nutt. var. *fendlerianum* Benth. in A.D.C.—*E. fendlerianum* (Benth. in A.D.C.) Small—*E. effusum* Nutt. subsp. *fendlerianum* (Benth. in A.D.C.) S. Stokes
- E. ainliei* Wooton & Standley—*E. effusum* Nutt. subsp. *ainliei* (Wooton & Standley) S. Stokes
- 17e. var. *nudicaule* (Torr. in Whipple) Rev.
E. effusum Nutt. var. *nudicaule* Torr. in Whipple—*E. nudicaule* (Torr. in Whipple) Small—*E. nudicaule* (Torr. in Whipple) Small subsp. *typicum* S. Stokes
- 17d. var. *saurinum* (Rev.) Welsh
E. saurinum Rev.
- 17e. var. *intermontanum* (Rev.) Rev.
- E. intermontanum* Rev.
18. *E. thompsonae* S. Watson
- 18a. var. *thompsonae*
- 18b. var. *albiflorum* Rev.
- 18c. var. *atwoodii* Rev.
- 18d. var. *matthewsae* (Rev.) Rev.
E. corymbosum Benth. in A.D.C. var. *matthewsae* Rev.
19. *E. fasciculatum* Benth.
- 19a. var. *polifolium* (Benth. in A.D.C.) Torr. & A. Gray
E. polifolium Benth. in A.D.C.—*E. fasciculatum* subsp. *polifolium* (Benth. in A.D.C.) S. Stokes
- E. revolutum* Goodd.—*E. fasciculatum* var. *revolutum* (Goodd.) S. Stokes
- 19b. var. *flavoviride* Munz & I.M. Johnston
E. fasciculatum subsp. *flavoviride* (Munz & I.M. Johnston) S. Stokes
- 19c. var. *empherieium* Rev.
- 19d. var. *fasciculatum*
E. fasciculatum subsp. *typicum* S. Stokes
- E. rosmarinifolium* Nutt.
- E. fasciculatum* var. *oleifolium* Gandoger
- E. fasciculatum* var. *aspathoides* Gandoger—*E. fasciculatum* subsp. *aspathoides* (Gandoger) S. Stokes
- E. fasciculatum* var. *mariimum* Parish
- 19e. var. *foliolosum* (Nutt.) S. Stokes ex Abrams
E. rosmarinifolium Nutt. var. *foliolosum* Nutt.—*E. fasciculatum* subsp. *foliolosum* (Nutt.) S. Stokes
- E. fasciculatum* var. *obusifolium* S. Stokes
20. *E. cinereum* Benth. in Hinds
21. *E. parvifolium* Smith in Rees
E. parvifolium subsp. *typicum* S. Stokes
- E. parvifolium* var. *crassifolium* Benth.
- E. parvifolium* subsp. *lucidum* J.T. Howell ex S. Stokes—*E. parvifolium* var. *lucidum* (J.T. Howell ex S. Stokes) Rev. in Munz
- E. parvifolium* subsp. *paynei* C. Wolf ex Munz—*E. parvifolium* var. *paynei* (C. Wolf ex Munz) Rev. in Munz
22. *E. giganteum* S. Watson
- 22a. var. *giganteum*
- 22b. var. *compactum* Dunkle
- 22c. var. *formosum* K. Brandegee
E. formosum (K. Brandegee) Brandegee—*E. giganteum* subsp. *formosum* (K. Brandegee) Raven
23. *E. zapatoense* Moran
24. *E. encelioides* Rev. & Hanson
25. *E. molle* Brandegee
26. *E. arborescens* E. Greene
E. x blissianum Mason, a named hybrid between *E. arborescens* and varieties of *E. giganteum*
27. *E. pondii* E. Greene
E. pondii var. *gentryi* Rev. & Hanson

28. *E. orcuttianum* S. Watson
E. pennisulare K. Brandegee
29. *E. suffruticosum* S. Watson
30. *E. fastigiatum* C. Parry
31. *E. deserticola* S. Watson
32. *E. pendulum* S. Watson
33. *E. heermannii* Durand & Hilg.
33a. var. *humilius* (S. Stokes) Rev.
E. heermannii subsp. *humilius* S. Stokes
33b. var. *heermannii*
E. geniculatum Durand & Hilg., non Nutt. - *E. heermannii* subsp. *typicum* S. Stokes
33c. var. *clokeyi* Rev.
33d. var. *occidentale* S. Stokes
E. heermannii subsp. *occidentale* (S. Stokes) S. Stokes
33e. var. *floccosum* Munz
E. heermannii subsp. *floccosum* (Munz) Munz
33f. var. *subracemosum* (S. Stokes) Rev.
E. howellii S. Stokes var. *subracemosum* S. Stokes
33g. var. *argense* (M.E. Jones) Munz
E. sulcatum S. Watson var. *argense* M.E. Jones - *E. howellii* S. Stokes var. *argense* (M.E. Jones) S. Stokes - *E. heermannii* subsp. *argense* (M.E. Jones) Munz
E. howellii S. Stokes
33h. var. *sulcatum* (S. Watson) Munz & Rev. in Munz
E. sulcatum S. Watson - *E. heermannii* subsp. *sulcatum* (S. Watson) S. Stokes
34. *E. apachense* Rev.
35. *E. plumatella* Durand & Hilg.
E. plumatella var. *typicum* S. Stokes
E. palmeri S. Watson
E. nodosum Small var. *jaegeri* Munz & I.M. Johnston - *E. plumatella* var. *jaegeri* (Munz & I.M. Johnston) S. Stokes ex Munz
36. *E. apricum* J.T. Howell
36a. var. *apricum*
36b. var. *prostratum* Myatt
37. *E. brevicaule* Nutt.
37a. var. *brevicaule*
E. campanulatum Nutt. subsp. *brevicaule* (Nutt.) S. Stokes - *E. brevicaule* subsp. *typicum* S. Stokes
E. campanulatum Nutt. - *E. campanulatum* subsp. *typicum* S. Stokes - *E. brevicaule* subsp. *campanulatum* (Nutt.) S. Stokes
E. confertiflorum Benth. in A.D.C. var. *stansburyi* Benth. in A.D.C.
E. brevicaule var. *aureum* Benth. in A.D.C.
E. sabulosum M.E. Jones
E. grangerense M.E. Jones - *E. campanulatum* Nutt. subsp. *grangerense* (M.E. Jones) S. Stokes - *E. brevicaule* subsp. *grangerense* (M.E. Jones) S. Stokes
E. campanulatum Nutt. subsp. *leptothecum* S. Stokes - *E. brevicaule* subsp. *leptothecum* (S. Stokes) S. Stokes - *E. brevicaule* var. *leptothecum* (S. Stokes) Rev.
E. nudicaule Torr. in Whipple subsp. *garrettii* S. Stokes
E. nudicaule Torr. in Whipple subsp. *paraleyense* S. Stokes
E. x duchesnense Rev., a hybrid complex involving variants of *E. brevicaule* and *E. corymbosum*
E. corymbosum Benth. in A.D.C. var. *albobivum* Rev., part of the above hybrid complex
37b. var. *micranthum* (Nutt.) Rev. in Rev. & Spevak
E. micranthum Nutt.
E. orendense A. Nelson - *E. campanulatum* Nutt. subsp. *orendense* (A. Nelson) S. Stokes - *E. brevicaule* subsp. *orendense* (A. Nelson) S. Stokes
37c. var. *wasatchense* (M.E. Jones) Rev.
E. wasatchense M.E. Jones
37d. var. *cottamii* (S. Stokes) Rev.
E. tenellum Torr. var. *cottamii* S. Stokes
37e. var. *laxifolium* (Torr. & A. Gray) Rev.
E. kingii Torr. & A. Gray var. *laxifolium* Torr. & A. Gray - *E. chrysocephalum* A. Gray - *E. laxifolium* (Torr. & A. Gray) A. Nelson - *E. chrysocephalum* subsp. *typicum* S. Stokes
E. ochrocephalum S. Watson var. *angustum* M.E. Jones - *E. nudicaule* (Torr. in Whipple) Small subsp. *angustum* (M.E. Jones) S. Stokes
E. brevicaule var. *pumilum* S. Stokes ex M.E. Jones - *E. nudicaule* (Torr. in Whipple) Small subsp. *pumilum* (S. Stokes ex M.E. Jones) S. Stokes
E. medium Rydb.
E. chrysocephalum A. Gray subsp. *bannockense* S. Stokes - *E. bannockense* (S. Stokes) R.J. Davis
E. grayi Rev.
E. nanum Rev. - *E. brevicaule* var. *nanum* (Rev.) Welsh
E. brevicaule var. *promiscuum* Welsh
38. *E. lagopus* Rydb.
E. multiceps Nees in Wied-Neuw. subsp. *canum* S. Stokes - *E. pauciflorum* Pursh var. *canum* (S. Stokes) Rev. - *E. brevicaule* Nutt. var. *canum* (S. Stokes) Dorn
39. *E. viridulum* Rev.
E. brevicaule Nutt. var. *viridulum* (Rev.) Welsh
40. *E. ephedroides* Rev.
E. brevicaule Nutt. var. *ephedroides* (Rev.) Welsh
41. *E. spathulatum* A. Gray
E. spathulatum var. *typicum* S. Stokes
E. nudicaule (Torr. in Whipple) Small subsp. *ochroflorum* S. Stokes
42. *E. sp.* (undescribed)
43. *E. natum* Rev.

- E. spathulatum* A. Gray var. *natum* (Rev.) Welsh
44. *E. loganum* A. Nelson
44a. var. *loganum*
E. chrysocephalum A. Gray subsp. *loganum* (A. Nelson) S. Stokes—*E. brevicaule* Nutt. var. *loganum* (A. Nelson) Welsh
44b. var. (undescribed).
45. *E. brandegei* Rydb.
E. spathulatum A. Gray var. *brandegei* (Rydb.) S. Stokes
46. *E. contortum* Small ex Rydb.
E. effusum Nutt. subsp. *contortum* (Small ex Rydb.) S. Stokes
47. *E. pelinophilum* Rev.
48. *E. acaule* Nutt.
E. caespitosum Nutt. subsp. *acaule* (Nutt.) S. Stokes—*E. caespitosum* var. *acaule* (Nutt.) R. Davis
49. *E. gypsophilum* Wooton & Standley
50. *E. ostlundii* M.E. Jones
E. tenellum Torr. subsp. *ostlundii* (M.E. Jones) S. Stokes—*E. batemanii* M.E. Jones var. *ostlundii* (M.E. Jones) Welsh
E. spathuliforme Rydb.—*E. spathulatum* A. Gray subsp. *spathuliforme* (Rydb.) S. Stokes
51. *E. eremicum* Rev.
E. batemanii M.E. Jones var. *eremicum* (Rev.) Welsh
52. *E. batemanii* M.E. Jones
53. *E. cronquistii* Rev.
E. corymbosum Benth. in A.D.C. var. *cronquistii* (Rev.) Welsh
54. *E. panguicense* (M.E. Jones) Rev.
54a. var. *panguicense*
E. pauciflorum Pursh var. *panguicense* M.E. Jones—*E. spathulatum* A. Gray var. *panguicense* (M.E. Jones) S. Stokes
54b. var. *alpestre* (S. Stokes) Rev.
E. chrysocephalum A. Gray subsp. *alpestre* S. Stokes
55. *E. lachnogynum* Torr. ex Benth. in A.D.C.
E. lachnogynum subsp. *typicum* S. Stokes
E. tetraeneuris Small—*E. lachnogynum* subsp. *tetraeneuris* (Small) S. Stokes
56. *E. havardii* S. Watson
E. leucophyllum Wooton & Standley—*E. leucophyllum* subsp. *typicum* S. Stokes
57. *E. desertorum* (Maguire) R. Davis
E. chrysocephalum subsp. *desertorum* Maguire—*E. brevicaule* Nutt. var. *desertorum* (Maguire) Welsh
58. *E. lewisii* Rev.
59. *E. ochrocephalum* S. Watson
59a. var. *ochrocephalum*
E. nevadense Gandoger
59b. var. *calcareum* (S. Stokes) M.E. Peck
- E. ochrocephalum* subsp. *calcareum* S. Stokes
59c. var. *sceptrum* Rev.
59d. var. *alexandree* Rev.
60. *E. novonudum* M.E. Peck
61. *E. cusickii* M.E. Jones non Gandoger
E. chrysocephalum A. Gray subsp. *cusickii* (M.E. Jones) S. Stokes
E. anemophilum E. Greene var. *cusickii* Gandoger
62. *E. tiehmii* Rev.
63. *E. prociduum* Rev.
64. *E. crosbyae* Rev.
65. *E. rosense* A. Nelson & Kennedy
E. ochrocephalum S. Watson var. *agnellum* Jepson—*E. ochrocephalum* subsp. *agnellum* (Jepson) S. Stokes
66. *E. beatleyae* Rev.
67. *E. anemophilum* E. Greene
68. *E. breedlovei* (J.T. Howell) Rev.
68a. var. *breedlovei*
E. ochrocephalum S. Watson var. *breedlovei* J.T. Howell
68b. var. *shevockii* J.T. Howell
69. *E. scopulorum* Rev.
70. *E. chrysops* Rydb.
E. ochrocephalum S. Watson subsp. *chrysops* (Rydb.) S. Stokes
71. *E. sp.* (undescribed)
72. *E. verrucosum* Rev.
73. *E. meledonum* Rev.
74. *E. capistratum* Rev.
74a. var. *capistratum*
74b. var. *muhlickii* Rev.
74c. var. *welshii* Rev.
75. *E. mancum* Rydb.
E. chrysocephalum A. Gray subsp. *mancum* (Rydb.) S. Stokes
76. *E. kingii* S. Watson
77. *E. argophyllum* Rev.
78. *E. gracilipes* S. Watson
E. kennedyi Porter ex S. Watson subsp. *gracilipes* (S. Watson) S. Stokes—*E. ochrocephalum* S. Watson var. *gracilipes* (S. Watson) J.T. Howell
79. *E. holmgrenii* Rev.
80. *E. exilifolium* Rev.
81. *E. coloradense* Small
E. multiceps Nees in Wied.-Neuw. subsp. *coloradense* (Small) S. Stokes
82. *E. pauciflorum* Pursh
82a. var. *pauciflorum*
E. parviflorum Nutt., nom. superfl.
E. dioecium Raf.
E. multiceps Nees in Wied.-Neuw.—*E. multiceps* subsp. *typicum* S. Stokes
E. depauperatum Small
82b. var. *gnaphaloides* (Benth. in Hook.) Rev.
E. gnaphaloides Benth. in Hook.

83. *E. villiflorum* A. Gray
E. villiflorum var. *typicum* S. Stokes
84. *E. tumulosum* (Barneby) Rev.
E. villiflorum A. Gray var. *tumulosum* Barneby
85. *E. soledium* Rev.
86. *E. aretioides* Barneby
87. *E. shockleyi* S. Watson
 87a. var. *shockleyi*
E. acaule Nutt. var. *shockleyi* (S. Watson) M.E. Jones - *E. shockleyi* subsp. *typicum* S. Stokes
E. villiflorum A. Gray var. *candidum* M.E. Jones - *E. shockleyi* subsp. *candidum* (M.E. Jones) S. Stokes
E. longilobum M.E. Jones - *E. acaule* Nutt. var. *longilobum* (M.E. Jones) M.E. Jones - *E. shockleyi* subsp. *longilobum* (M.E. Jones) S. Stokes - *E. shockleyi* var. *longilobum* (M.E. Jones) Rev.
 87b. var. *packardae* Rev.
88. *E. elongatum* Benth. in Hinds
 88a. var. *elongatum*
E. denudatum Nutt., non Curran
 88b. var. *areorivum* Rev.
- 88c. var. *vollmeri* (Wiggins) Rev.
E. vollmeri Wiggins
89. *E. wrightii* Torr. ex Benth. in A.D.C.
 89a. var. *wrightii*
E. trachygonum Torr. ex Benth. in A.D.C. subsp. *wrightii* (Torr. ex Benth. in A.D.C.) S. Stokes - *E. wrightii* subsp. *typicum* S. Stokes
E. wrightii var. *floccosum* Benth. in A.D.C.
E. helianthemifolium Benth. in A.D.C. - *E. wrightii* var. *helianthemifolium* (Benth. in A.D.C.) Torr. in Emory
E. trachygonum Torr. ex Benth. in A.D.C. subsp. *glomerulatum* S. Stokes - *E. wrightii* subsp. *glomerulatum* (S. Stokes) S. Stokes
 89b. var. *trachygonum* (Torr. ex Benth. in A.D.C.) Jepson
E. trachygonum Torr. ex Benth. in A.D.C. - *E. trachygonum* subsp. *typicum* S. Stokes
 89c. var. *membranaceum* S. Stokes ex Jepson
E. trachygonum Torr. ex Benth. in A.D.C. subsp. *membranaceum* (S. Stokes ex Jepson) S. Stokes - *E. wrightii* subsp. *membranaceum* (S. Stokes ex Jepson) S. Stokes
 89d. var. *dentatum* (S. Stokes) Rev.
E. trachygonum Torr. ex Benth. in A.D.C. subsp. *dentatum* S. Stokes - *E. wrightii* subsp. *dentatum* S. Stokes
 89e. var. *taxifolium* (E. Greene) Parish
E. taxifolium E. Greene - *E. trachygonum* Torr. ex Benth. in A.D.C. subsp. *taxifolium* (E. Greene) S. Stokes - *E. wrightii* subsp. *taxifolium* (E. Greene) S. Stokes
 89f. var. *pringlei* (Coulter & Fisher) Rev.
E. pringlei Coulter & Fisher - *E. trachygonum* Torr. ex Benth. in A.D.C. subsp. *pringlei* (Coulter & Fisher) S. Stokes - *E. wrightii* subsp. *pringlei* (Coulter & Fisher) S. Stokes
- (Coulter & Fisher) S. Stokes
- 89g. var. *nodosum* (Small) Rev.
E. nodosum Small
- 89h. var. *subscaposum* S. Watson
E. trachygonum Torr. ex Benth. in A.D.C. var. *subscaposum* (S. Watson) M.E. Jones - *E. trachygonum* Torr. ex Benth. in A.D.C. subsp. *subscaposum* (S. Watson) S. Stokes - *E. wrightii* subsp. *subscaposum* (S. Watson) S. Stokes
E. curvatum Small - *E. wrightii* var. *curvatum* (Small) Munz
E. kennedyi Porter ex S. Watson subsp. *pinorum* S. Stokes
E. junceum E. Greene
 89i. var. *olanchnense* (J.T. Howell) Rev. in Munz
E. kennedyi Porter ex S. Watson var. *olanchnense* J.T. Howell
 89j. var. *oresbium* Rev.
90. *E. kennedyi* Porter ex S. Watson
 90a. var. *kennedyi*
E. kennedyi subsp. *typicum* S. Stokes
 90b. var. *austromontanum* Munz & Johnston
E. kennedyi subsp. *austromontanum* (Munz & Johnston) S. Stokes
 90c. var. *alpigeum* (Munz & Johnston) Munz & Johnston in Munz
E. kennedyi f. *alpigeum* Munz & Johnston - *E. kennedyi* subsp. *alpigeum* (Munz & Johnston) S. Stokes
 90d. var. *purpurisii* (Brandegee) Rev.
E. purpurisii Brandegee - *E. kennedyi* subsp. *purpurisii* (Brandegee) Munz
 90e. var. *pinicola* Rev.
91. *E. butterworthianum* J.T. Howell
92. *E. panamintense* C. Morton
 92a. var. *panamintense*
E. reliquum S. Stokes
E. racemosum Nutt. var. *desertorum* S. Stokes
 92b. var. *mensicola* (S. Stokes) Rev. in Munz
E. mensicola S. Stokes - *E. panamintense* subsp. *mensicola* (S. Stokes) Munz
93. *E. rupinum* Rev.
94. *E. racemosum* Nutt.
E. racemosum var. *typicum* S. Stokes
E. orthocladon Torr. in Sitgreaves - *E. racemosum* var. *orthocladon* (Torr. in Sitgreaves) S. Stokes
E. obtusum Benth. in A.D.C. - *E. racemosum* var. *obtusum* (Benth. in A.D.C.) S. Stokes
E. racemosum var. *sagittatum* Gandoger
E. racemosum var. *cordifolium* Gandoger
95. *E. zionis* J.T. Howell
 95a. var. *zionis*
E. racemosum Nutt. var. *zionis* (J.T. Howell) Welsh
 95b. var. *coccineum* J.T. Howell
E. racemosum Nutt. var. *coccineum* (J.T. Howell) Welsh

96. *E. nudum* Douglas ex Benth.
 96a. var. *nudum*
E. latifolium Smith in Rees subsp. *nudum* (Douglas ex Benth.) S. Stokes
E. longulum E. Greene
E. oblanceolatum E. Greene
E. latifolium Smith in Rees var. *parvulum* S. Stokes
 96b. var. *paralinum* Rev.
 96c. var. *deductum* (E. Greene) Jepson
E. deductum E. Greene
 96d. var. *scapigerum* (Eastw.) Jepson
E. scapigerum Eastw. - *E. latifolium* Smith in Rees var. *scapigerum* (Eastw.) S. Stokes
 96e. var. *pauciflorum* S. Watson
E. nudum var. *perturbum* M.E. Jones, nom. superfl. - *E. latifolium* Smith in Rees subsp. *pauciflorum* (S. Watson) S. Stokes
 96f. var. *pubiflorum* Benth. in A.D.C.
 96g. var. *westonii* (S. Stokes) J.T. Howell
E. latifolium Smith in Rees subsp. *westonii* S. Stokes
E. saxicola A. Heller - *E. latifolium* Smith in Rees subsp. *saxicola* (A. Heller) S. Stokes - *E. nudum* subsp. *saxicola* (A. Heller) Munz - *E. nudum* var. *saxicola* (A. Heller) Rev.
E. gramineum S. Stokes - *E. nudum* var. *gramineum* (S. Stokes) Rev.
 96h. var. *murinum* Rev.
 96i. var. *auriculatum* (Benth.) Tracy ex Jepson
E. auriculatum Benth. - *E. latifolium* Smith in Rees subsp. *auriculatum* (Benth.) S. Stokes
E. latifolium Smith in Rees var. *alternans* S. Stokes
 96j. var. *indictum* (Jepson) Rev. in Munz
E. indictum Jepson - *E. latifolium* Smith in Rees var. *indictum* (Jepson) S. Stokes
 96k. var. *regirivum* Rev. & J. Stebbins
 96l. var. *decurrens* (S. Stokes) Bowerman
E. latifolium Smith in Rees subsp. *decurrens* S. Stokes
 96m. var. *oblongifolium* S. Watson
E. affine Benth. in A.D.C. - *E. latifolium* Smith in Rees var. *affine* (Benth. in A.D.C.) S. Stokes
E. harfordii Small - *E. latifolium* Smith in Rees var. *harfordii* (Small) S. Stokes
E. sulphureum E. Greene - *E. nudum* var. *sulphureum* (E. Greene) Jepson - *E. latifolium* Smith in Rees subsp. *sulphureum* (E. Greene) S. Stokes
E. capitatum A. Heller
 97. *E. latifolium* Smith in Rees
E. latifolium subsp. *typicum* S. Stokes
E. arachnoideum Eschsch.
E. oblongifolium Benth.
 98. *E. grande* E. Greene
 98a. var. *grande*
E. nudum Douglas ex Benth. var. *grande* Jepson - *E. latifolium* subsp. *grande* (E. Greene) S. Stokes
 98b. var. *testudinum* Rev.
 98c. var. *timorum* Rev.
E. grande subsp. *timorum* (Rev.) Munz
 98d. var. *rubescens* (E. Greene) Munz
E. rubescens E. Greene - *E. latifolium* Smith in Rees subsp. *rubescens* (E. Greene) S. Stokes - *E. latifolium* Smith in Rees var. *rubescens* (E. Greene) Munz
E. grande var. *dunklei* Rev.
 99. *E. elatum* Douglas ex Benth.
 99a. var. *elatum*
E. elatum var. *limonifolium* Gandoger
E. elatum var. *erianthum* Gandoger
 99b. var. *villosum* Jepson
E. elatum subsp. *villosum* (Jepson) Munz ex Rev.
E. elatum var. *incurvum* Jepson
 100. *E. gilmanii* S. Stokes
 101. *E. ovalifolium* Nutt.
 101a. var. *purpureum* (Nutt.) Durand
E. tenellum Nutt., non Torr. - *E. nuttallii* Gambel in Nutt. - *E. purpureum* Nutt. var. *tenius* Benth. in A.D.C.
Eucycla purpurea Nutt. - *Eriogonum purpureum* (Nutt.) Benth. in A.D.C. - *Eriogonum ovalifolium* subsp. *purpureum* (Nutt.) S. Stokes
E. oblongifolium Benth. var. *minus* Benth. in A.D.C.
E. orthocaulon Small - *E. ovalifolium* var. *celsum* A. Nelson - *E. ovalifolium* var. *orthocaulon* (Small) C.L. Hitchc.
E. roseiflorum Gandoger, nom. illeg.
E. ovalifolium var. *utahense* Gandoger
E. ovalifolium var. *cyclophyllum* Gandoger
E. ovalifolium var. *multiscapum* Gandoger
E. ovalifolium var. *cerastoides* Gandoger
E. davisianum S. Stokes
 101b. var. *ovalifolium*
Eucycla ovalifolia (Nutt.) Nutt. - *Eriogonum ovalifolium* var. *typicum* Gandoger - *Eriogonum ovalifolium* subsp. *typicum* S. Stokes
E. ovalifolium var. *nevadense* Gandoger
E. ovalifolium var. *deltoides* Gandoger
 101c. var. *eximium* (Tidestrom) J.T. Howell
E. eximium Tidestrom - *E. ovalifolium* subsp. *eximium* (Tidestrom) S. Stokes
 101d. var. *williamsae* Rev.
 101e. var. *vineum* (Small) Jepson
E. vineum Small - *E. ovalifolium* subsp. *vineum* (Small) S. Stokes
 101f. *pansum* Rev.
 101g. var. *ochroleucum* (Small ex Rydb.) M.E. Peck
E. ochroleucum Small ex Rydb. - *E. ovalifolium* subsp. *ochroleucum* (Small ex Rydb.) S. Stokes
E. ochroleucum Small ex Rydb. var. *macropodum* Gandoger - *E. ovalifolium* var. *macropodum* (Gandoger) Rev.

- E. ochroleucum* Small ex Rydb. var. *decalvans* Gandoger
- 101h. var. *depressum* Blank.
E. depressum (Blank.) Rydb.
E. rubidum Gandoger, nom. illeg.
E. rubidum Gandoger var. *frigidum* Gandoger, nom. illeg.
- 101i. var. *nivale* (Canby in Cov.) M.E. Jones
E. nivale Canby in Cov.
E. rhodanthum A. Nelson & Kennedy
- 101j. var. *caelestinum* Rev.
102. *E. strictum* Benth.
- 102A. subsp. *proliferum* (Torr. & A. Gray) S. Stokes
- 102a. var. *proliferum* (Torr. & A. Gray) Rev.
E. proliferum Torr. & A. Gray—*E. ovalifolium* Nutt. var. *proliferum* (Torr. & A. Gray) S. Watson
- E. cusickii* Gandoger, nom. illeg., non M.E. Jones—*E. strictum* var. *cusickii* S. Stokes
- E. cusickii* Gandoger var. *californicum* Gandoger
- E. ovalifolium* Nutt. var. *bellum* S. Stokes—*E. strictum* subsp. *bellum* (S. Stokes) S. Stokes—*E. bellum* (S. Stokes) R. Davis
- E. strictum* var. *argenteum* S. Stokes
- E. fulvum* S. Stokes
- 102b. var. *greenei* (A. Gray) Rev.
E. greenei A. Gray—*E. niveum* Douglas ex Benth. var. *greenei* (A. Gray) S. Stokes
- 102c. var. *glabrum* C.L. Hitchc.
- 102d. var. *anserinum* (E. Greene) R. Davis
E. anserinum E. Greene—*E. ovalifolium* Nutt. var. *anserinum* (E. Greene) M.E. Jones—*E. proliferum* Torr. & A. Gray subsp. *anserinum* (E. Greene) Munz
- E. flavissimum* Gandoger, nom. illeg.—*E. ovalifolium* Nutt. subsp. *flavissimum* S. Stokes—*E. strictum* var. *flavissimum* (S. Stokes) C.L. Hitchc.
- 102B. subsp. *strictum*
E. strictum subsp. *typicum* S. Stokes
103. *E. niveum* Douglas ex Benth.
E. niveum subsp. *typicum* S. Stokes
- E. dichotomum* Douglas ex Benth.—*E. niveum* var. *dichotomum* (Douglas ex Benth.) S. Stokes ex M.E. Jones—*E. niveum* subsp. *dichotomum* (Douglas ex Benth.) S. Stokes
- E. decumbens* Benth.—*E. niveum* var. *decumbens* (Benth.) Torr. & A. Gray—*E. niveum* subsp. *decumbens* (Benth.) S. Stokes
- E. album* Nutt.—*E. dichotomum* Douglas ex Benth. var. *humile* Benth. in A.D.C.
- E. strictum* Benth. var. *lachnostegium* Benth. in A.D.C.—*E. lachnostegium* (Benth. in A.D.C.) Rydb.
- E. niveum* var. *suksdorfii* Gandoger
- E. niveum* var. *candelabrum* Gandoger
104. *E. saxatile* S. Watson
E. bloomeri Parish
E. stokesae M.E. Jones—*E. saxatile* var. *stokesae* (M.E. Jones) S. Stokes ex M.E. Jones
E. saxatile subsp. *multicaule* S. Stokes
105. *E. crocatum* Davidson
E. saxatile S. Watson var. *crocatum* (Davidson) Munz
- II. Subg. *Micrantha* (Benth.) Rev. in Gunckel
106. *E. annuum* Nutt.
E. annuum subsp. *typicum* S. Stokes
E. annuum Raf., non Nutt.
E. lindheimerianum Scheele
E. simpsonii Benth. in A.D.C. var. *floccoso-lanatum* Benth. in A.D.C.
E. cymosum Benth. in A.D.C.—*E. annuum* subsp. *cymosum* (Benth. in A.D.C.) S. Stokes
E. annuum var. *pauciflorum* Gandoger
E. hitchcockii Gandoger, nom. illeg.—*E. annuum* subsp. *hitchcockii* S. Stokes
E. annuum f. *roseum* E. Kelso
E. annuum subsp. *chihuahuense* S. Stokes
107. *E. multiflorum* Benth.
- III. Subg. *Clastomyelon* Cov. & C. Morton
108. *E. intrafractum* Cov. & C. Morton
- IV. Subg. *Eriogonum*
109. *E. longifolium* Nutt.
109a. var. *longifolium*
E. longifolium subsp. *typicum* S. Stokes
E. longifolium var. *plantagineum* Engelm. & A. Gray
E. texanum Scheele, non Coulter & Fisher
E. texanum Coulter & Fisher, non Scheele—*E. coriaceum* Coulter & Fisher
E. longifolium var. *lindheimeri* Gandoger
E. longifolium var. *caput-felis* Gandoger
E. longifolium subsp. *diffusum* S. Stokes
E. vespinum Shinners
- 109b. var. *gnaphalifolium* Gandoger
E. harperi Goodman
- 109b. var. *harperi* (Goodman) Rev.
E. floridanum Small
E. longifolium var. *longidens* Gandoger
E. longifolium var. *floridanum* Gandoger
110. *E. tomentosum* Michx.
- V. Subg. *Oligogonum* Nutt.
111. *E. umbellatum* Torr.
111a. var. *umbellatum*
E. umbellatum subsp. *typicum* S. Stokes
E. lateum Small ex Rydb.
E. cupreum Gandoger, nom. illeg.
E. umbellatum var. *crandallii* Gandoger
- 111b. var. *cladophorum* Gandoger
E. subalpinum E. Greene var. *cladophorum* (Gandoger) S. Stokes
E. rydbergii E. Greene

- 111c. var. *aureum* (Gandoger) Rev.
E. glaberrimum Gandoger var. *aureum* Gandoger
E. neglectum E. Greene
E. azaleastrum E. Greene
E. umbelliferum Small - *E. umbellatum* var. *intecutum* A. Nelson in Coulter & Nelson
E. marginale Gandoger
E. umbellatum var. *glabratum* S. Stokes
- 111d. var. *porteri* (Small) S. Stokes
E. porteri Small
- 111e. var. *hypoleium* (Piper) C.L. Hitchc.
E. umbellatum subsp. *hypoleium* Piper
- 111f. var. *nevadense* Gandoger
E. reclinatatum E. Greene
E. heracleoides Nutt. var. *viride* Gandoger
E. umbellatum var. *californicum* Gandoger
- 111g. var. *vernum* Rev.
- 111h. var. *covillei* (Small) Munz & Rev. in Munz
E. covillei Small - *E. ursinum* S. Watson var. *covillei* (Small) S. Stokes - *E. umbellatum* subsp. *covillei* (Small) Munz
- 111i. var. *hausknechtii* (Dammer) M.E. Jones
E. hausknechtii Dammer - *E. umbellatum* subsp. *hausknechtii* (Dammer) S. Stokes
E. montanum Howell
- 111j. var. *dichrocephalum* Gandoger
E. aridum E. Greene - *E. umbellatum* subsp. *aridum* (E. Greene) S. Stokes - *E. umbellatum* var. *aridum* (E. Greene) C.L. Hitchc.
E. subalpinum E. Greene var. *arachnoideum* Gandoger
- 111k. var. *desereticum* Rev.
- 111l. var. *versicolor* S. Stokes
E. umbellatum subsp. *versicolor* (S. Stokes) Munz
- 111m. var. *minus* I.M. Johnston
E. minus (I.M. Johnston) Ewan - *E. umbellatum* subsp. *minus* (I.M. Johnston) Munz
- 111n. var. *polyanthum* (Benth. in A.D.C.) M.E. Jones
E. polyanthum Benth. in A.D.C. - *E. umbellatum* subsp. *polyanthum* (Benth. in A.D.C.) S. Stokes
E. dumosum E. Greene - *E. umbellatum* subsp. *dumosum* (E. Greene) S. Stokes
E. modocense E. Greene - *E. umbellatum* var. *modocense* (E. Greene) S. Stokes
- 111o. var. *goodmanii* Rev.
- 111p. var. *humistratum* Rev.
- 111q. var. *speciosum* (Drew) S. Stokes
E. speciosum Drew
- 111r. var. *majus* Hook.
E. umbellatum subsp. *majus* (Hook.) Piper
E. subalpinum E. Greene - *E. umbellatum* var. *subalpinum* (E. Greene) M.E. Jones - *E. umbellatum* subsp. *subalpinum* (E. Greene) S. Stokes - *E. heracleoides* var. *subalpinum* (E. Greene) R. Davis
- E. subalpinum* E. Greene var. *vulcanicum* Gandoger
- E. subalpinum* E. Greene var. *stenophyllum* Gandoger
- E. subalpinum* E. Greene var. *subnivale* Gandoger
- 111s. var. *stellatum* (Benth.) M.E. Jones
E. stellatum Benth. - *E. umbellatum* subsp. *stellatum* (Benth.) S. Stokes
- E. ellipticum* Nutt.
E. croceum Small ex Rydb. - *E. umbellatum* var. *croceum* (Small ex Rydb.) S. Stokes
E. umbellatum var. *chrysanthum* Gandoger
- 111t. var. *devestivum* Rev.
- 111u. var. *furcosum* Rev.
- 111v. var. *argus* Rev.
- 111w. var. *munzii* Rev.
E. umbellatum subsp. *munzii* (Rev.) Thorne ex Munz
- 111x. var. *subaridum* S. Stokes
E. umbellatum subsp. *subaridum* (S. Stokes) Munz
E. biumbellatum Rydb.
E. ferrissii A. Nelson - *E. umbellatum* subsp. *ferrissii* (A. Nelson) S. Stokes
- 111y. var. *chlorothamnus* Rev. in Munz
- 111z. var. *bahiiforme* (Torr. & A. Gray) Jepson
E. polyanthum Benth. in A.D.C. var. *bahiiforme* Torr. & A. Gray - *E. stellatum* Benth. var. *bahiiforme* (Torr. & A. Gray) S. Watson - *E. umbellatum* subsp. *bahiiforme* (Torr. & A. Gray) S. Stokes
E. trichotomum Small
E. smallianum A. Heller - *E. umbellatum* var. *smallianum* (A. Heller) S. Stokes
- 111aa. var. *juniporinum* Rev.
- 111bb. var. *cognatum* (E. Greene) Rev.
E. cognatum E. Greene - *E. umbellatum* subsp. *cognatum* (E. Greene) S. Stokes
- 111cc. var. *torreyanum* (A. Gray in Torr. & A. Gray) M.E. Jones
E. torreyanum A. Gray in Torr. & A. Gray
- 111dd. var. *glaberrimum* (Gandoger) Rev.
E. glaberrimum Gandoger
112. *E. heracleoides* Nutt.
112a. var. *heracleoides*
E. heracleoides subsp. *typicum* S. Stokes
E. gyrophyllum Nutt.
E. heracleoides var. *minus* Benth. in A.D.C.
E. heracleoides var. *multiceps* Gandoger
E. heracleoides var. *utahense* Gandoger
E. heracleoides var. *rydbergii* Gandoger
- 112b. var. *angustifolium* (Nutt.) Torr. & A. Gray
E. angustifolium Nutt. - *E. heracleoides* subsp. *angustifolium* (Nutt.) S. Stokes
E. douglasii Benth. in A.D.C. subsp. *ramosum* Piper - *E. caespitosum* Nutt. subsp. *ramosum* (Piper) S. Stokes

- E. heracleoides* var. *micranthum* Gandoger
 112c. var. *leucophaeum* Rev.
 113. *E. compositum* Douglas ex Benth. in Lindl.
 113a. var. *compositum*
E. compositum subsp. *typicum* S. Stokes
E. compositum var. *pilicaule* St. John & Warren -
E. pilicaule (St. John & Warren) G.N. Jones
E. johnstonii S. Stokes
E. compositum var. *citrinum* S. Stokes
 113b. var. *leianthum* Hook.
E. tolmieanum Hook. - *E. umbellatum* Torr. var.
monocephalum Torr. & A. Gray - *E. umbellatum*
var. *tolmieanum* (Hook.) M.E. Jones
E. heracleoides Nutt. var. *simplex* S. Watson ex
Piper - *E. compositum* var. *simplex* (S. Watson
ex Piper) St. John & Warren
 113c. var. *lancifolium* St. John & Warren
E. compositum subsp. *lancifolium* (St. John &
Warren) S. Stokes
 114. *E. siskiyouense* Small
 115. *E. ternatum* Howell
E. umbellatum Torr. var. *ternatum* (Howell) S.
Stokes
E. ursinum S. Watson var. *confine* S. Stokes
 116. *E. libertini* Rev.
 117. *E. congdonii* (S. Stokes) Rev.
E. ursinum S. Watson var. *congdonii* S. Stokes - *E.*
ternatum Howell var. *congdonii* (S. Stokes) J.T.
Howell
 118. *E. ursinum* S. Watson
E. ursinum var. *typicum* S. Stokes
E. ovatum E. Greene
 119. *E. nervulosum* (S. Stokes) Rev.
E. ursinum S. Watson var. *nervulosum* S. Stokes
 120. *E. prattenianum* Durand
 120a. var. *prattenianum*
E. umbellatum Torr. subsp. *serratum* S. Stokes
 120b. var. *avium* Rev. & Shevock
 121. *E. tripodum* E. Greene
E. sphaerocephalum Douglas ex Benth. var. *brevi-*
folium S. Stokes ex M.E. Jones
 122. *E. thymoides* Benth. in A.D.C.
E. thymoides subsp. *typicum* S. Stokes
E. minimum Small - *E. sphaerocephalum* Douglas
ex Benth. subsp. *minimum* (Small) S. Stokes - *E.*
sphaerocephalum var. *minimum* (Small) R.
Davis
E. thymoides var. *pallens* Gandoger
E. thymoides subsp. *congestum* S. Stokes
 123. *E. kelloggii* A. Gray
E. caespitosum Nutt. var. *kelloggii* (A. Gray) M.E.
Jones
 124. *E. sphaerocephalum* Douglas ex Benth.
 124a. var. *sphaerocephalum*
E. sphaerocephalum subsp. *typicum* S. Stokes
E. ellipticum Nutt. var. *megacephalum* Nutt. - *E.*
sphaerocephalum var. *megacephalum* (Nutt.) S.
Stokes ex M.E. Jones - *E. sphaerocephalum* sub-
- sp. *megacephalum* (Nutt.) S. Stokes
E. geniculatum Nutt. - *E. sphaerocephalum* var.
geniculatum (Nutt.) S. Stokes
 124b. var. *fasciculifolium* (A. Nelson) S. Stokes
E. fasciculifolium A. Nelson
E. fruticosum S. Stokes
 124c. var. *halimoides* S. Stokes
E. halimoides Gandoger, nom. illeg.
 125. *E. douglasii* Benth. in A.D.C.
 125a. var. *douglasii*
E. caespitosum Nutt. var. *douglasii* (Benth. in A.
DC.) M.E. Jones - *E. caespitosum* Nutt. subsp.
douglasii (Benth. in A.D.C.) S. Stokes
 125b. var. *sublineare* (S. Stokes) Rev.
E. caespitosum Nutt. var. *sublineare* S. Stokes
E. tenue Small - *E. sphaerocephalum* Douglas ex
Benth. subsp. *tenue* (Small) Piper - *E. strictum*
Benth. var. *tenue* (Small) R. Davis - *E. douglasii*
var. *tenue* (Small) C.L. Hitchc.
 126. *E. twisselmannii* (J.T. Howell) Rev. in Munz
E. douglasii Benth. in A.D.C. var. *twisselmannii* J.T.
Howell
 127. *E. caespitosum* Nutt.
E. caespitosum subsp. *typicum* S. Stokes
E. andinum Nutt.
E. caespitosum Nutt. var. *alysoides* Gandoger
E. sericoleucum E. Greene ex Tidestrom - *E.*
sphaerocephalum Douglas ex Benth. var.
sericoleucum (E. Greene ex Tidestrom) S.
Stokes
 128. *E. marifolium* Torr. & A. Gray
E. cupulatum S. Stokes
E. marifolium var. *apertum* S. Stokes
 129. *E. incanum* Torr. & A. Gray
E. marifolium Torr. & A. Gray var. *incanum*
(Torr. & A. Gray) M.E. Jones
E. rosulatum Small - *E. ursinum* S. Watson var.
rosulatum (Small) S. Stokes
 130. *E. diclinum* Rev.
 131. *E. polypodium* Small
E. umbellatum Torr. var. *polypodium* (Small) S.
Stokes
E. ursinum S. Watson var. *venosum* S. Stokes ex
Smiley
 132. *E. jamesii* Benth. in A.D.C.
 132a. var. *flavescens* S. Watson
E. jamesii subsp. *flavescens* (S. Watson) S. Stokes
E. arcuatum E. Greene - *E. jamesii* var. *arcuatum*
(E. Greene) S. Stokes
E. bakeri E. Greene - *E. jamesii* subsp. *bakeri* (E.
Greene) S. Stokes
E. flavum var. *foliatum* Gandoger
E. vegetius A. Nelson
 132b. var. *xanthum* (Small) Rev.
E. xanthum Small - *E. flavum* Nutt. in Fraser var.
xanthum (Small) S. Stokes

- E. chloranthum* E. Greene - *E. flavum* Nutt. in Fraser subsp. *chloranthum* (E. Greene) S. Stokes
 132c. var. *wootonii* Rev.
 132d. var. *rupicola* Rev.
 132e. var. *jamesii*
E. jamesii subsp. *typicum* S. Stokes
E. jamesii var. *neomexicanum* Gandoger
 132f. var. *simplex* Gandoger
 132g. var. *undulatum* (Benth. in A.DC.) S. Stokes ex M.E. Jones
E. undulatum Benth. in A.DC. - *E. jamesii* subsp. *undulatum* (Benth. in A.DC.) S. Stokes
 133. *E. turneri* Rev.
 134. *E. flavum* Nutt. in Fraser
 134a. var. *flavum*
E. flavum subsp. *typicum* S. Stokes
E. sericeum Pursh - *E. flavum* var. *sericeum* (Pursh) S. Stokes
E. lateriflorum Raf.
E. crassifolium Benth. - *E. flavum* var. *crassifolium* (Benth.) Benth. in A.DC. - *E. flavum* subsp. *crassifolium* (Benth.) S. Stokes
E. crassifolium Benth. var. *tectum* A. Nelson - *E. flavum* var. *tectum* (A. Nelson) S. Stokes
E. flavum var. *linguifolium* Gandoger
E. flavum var. *incisum* S. Stokes
E. flavum var. *multicum* S. Stokes
E. flavum var. *caudiciferum* S. Stokes
 134b. var. *aquilinum* Rev. in Hultén
 134c. var. *polyphyllum* (Small ex Rydb.) M.E. Jones
E. polyphyllum Small ex Rydb.
 134d. var. *piperi* (E. Greene) M.E. Jones
E. piperi E. Greene - *E. androsaceum* Benth. in A.DC. var. *piperi* (E. Greene) M.E. Jones - *E. flavum* subsp. *piperi* (E. Greene) S. Stokes
E. piperi E. Greene var. *ochrocephalum* Gandoger
E. piperi E. Greene var. *longiflorum* Gandoger
 135. *E. androsaceum* Benth. in A.DC.
E. flavum Nutt. in Fraser var. *androsaceum* (Benth. in A.DC.) M.E. Jones - *E. flavum* subsp. *androsaceum* (Benth. in A.DC.) S. Stokes
 136. *E. correllii* Rev.
 137. *E. allenii* S. Watson
 138. *E. latens* Jepson
E. alatum Douglas ex Benth. subsp. *glabrescens* S. Stokes
E. monticola S. Stokes
 139. *E. hirtellum* Howell & Bacig.
 140. *E. pyroliifolium* Hook.
 140a. var. *coryphaeum* Torr. & A. Gray
E. coryphaeum (Torr. & A. Gray) G.N. Jones
E. pyroliifolium var. *bellingeranum* M.E. Peck
 140b. var. *pyroliifolium*
E. pyroliifolium var. *typicum* S. Stokes
 141. *E. lobbii* Torr. & A. Gray
 141a. var. *lobbii*
E. lobbii var. *minus* Torr. & A. Gray
 141b. var. *robustum* (E. Greene) M.E. Jones
E. robustum M.E. Jones
 142. *E. alpinum* Engelm.
 VI. Subg. *Pterogonum* (H. Gross) Rev.
 143. *E. atrorubens* Engelm. in Wisliz.
 143a. var. *atrorubens*
Pterogonum atrorubens (Engelm. in Wisliz.) H. Gross
 143b. var. *pseudociliatum* Rev.
 143c. var. *intonsum* Rev.
 143d. var. *auritulum* Hess & Rev.
 143e. var. *memorosum* Hess & Rev.
 143f. var. *rupestre* (S. Stokes) Hess & Rev.
E. rupestre S. Stokes
 144. *E. elivosum* Hess & Rev.
 145. *E. fimbriatum* Hess & Rev.
 146. *E. henricksonii* Rev.
 147. *E. viscanum* Hess & Rev.
 148. *E. ciliatum* Torr. ex Benth. in A.DC.
 149. *E. greggii* Torr. & A. Gray
E. ciliatum Torr. ex Benth. in A.DC. var. *foliosum* Torr. in Emory
 150. *E. hemipterum* (Torr. & A. Gray) S. Stokes
 150a. var. *hemipterum*
E. hieracifolium Benth. in A.DC. var. *hemipterum* Torr. & A. Gray
E. hieracifolium Benth. in A.DC. f. *atropurpureum* Standley
 150b. var. *griseum* I.M. Johnston
 151. *E. nealleyi* Coulter
 152. *E. hieracifolium* Benth. in A.DC.
Pterogonum hieracifolium (Benth. in A.DC.) H. Gross
E. pannosum Wootton & Standley - *E. leucophyllum* Wootton & Standley subsp. *pannosum* (Wootton & Standley) S. Stokes
 153. *E. alatum* Torr. in Sitgreaves
 153a. var. *alatum*
Pterogonum alatum (Torr. in Sitgreaves) H. Gross - *E. alatum* subsp. *typicum* S. Stokes
E. alatum var. *alatum* Geyer ex Benth. in A.DC.
E. triste S. Watson - *E. alatum* subsp. *triste* (S. Watson) S. Stokes
E. alatum var. *brevifolium* Gandoger
 153b. var. *mogollense* S. Stokes ex M.E. Jones
E. alatum subsp. *mogollense* (S. Stokes ex M.E. Jones) S. Stokes
E. alatum var. *macdougalii* Gandoger
 153c. var. *glabriusculum* Torr. in Whipple
 VII. Subg. *Ganysma* (S. Watson) E. Greene
 154. *E. preclarum* Rev.
 155. *E. galioides* I.M. Johnston
 156. *E. arizonicum* S. Stokes ex M.E. Jones
 157. *E. angelense* Moran
 158. *E. inflatum* Torr. & Frém. in Frém.

- 158a. var. *deflatum* I.M. Johnston
E. glaucum Small—*E. trichopes* Torr. in Emory subsp. *glaucum* (Small) S. Stokes
E. lagunense M.E. Jones
- 158b. var. *inflatum*
E. inflatum subsp. *typicum* S. Stokes
E. clutei Rydb.
- 158c. var. *fusiforme* (Small) Rev.
E. fusiforme Small
159. *E. pilosum* S. Stokes
160. *E. repens* (S. Stokes) Rev.
E. trichopes Torr. in Emory subsp. *repens* S. Stokes
161. *E. trichopes* Torr. in Emory
161a. var. *trichopes*
E. trichopodum Torr. ex Benth. in A.D.C., nom. superfl.—*E. trichopes* subsp. *typicum* S. Stokes
E. trichopodum Torr. ex Benth. in A.D.C. var. *minor* Benth. in A.D.C.—*E. trichopes* subsp. *minus* (Benth. in A.D.C.) S. Stokes
E. clavatum Small—*E. trichopes* subsp. *clavatum* (Small) S. Stokes
161b. var. *hooveri* Rev.
162. *E. contiguum* (Rev.) Rev.
E. inflatum Torr. & Frém. in Frém. var. *contiguum* Rev.
163. *E. scalare* S. Watson
E. irretitum Brandegee
164. *E. intricatum* Benth. in Hinds
165. *E. howellianum* Rev.
166. *E. glandulosum* (Nutt.) Nutt. ex Benth. in A.D.C.
Oxytheca glandulosa Nutt.—*E. trichopes* Torr. in Emory subsp. *glandulosum* (Nutt.) S. Stokes
? *E. cordatum* Torr. & Frém. in Frém.—*E. trichopes* Torr. in Emory var. *cordatum* (Torr. & Frém. in Frém.) Davidson & Moxley—*E. trichopes* Torr. in Emory subsp. *cordatum* (Torr. & Frém. in Frém.) S. Stokes
E. glandulosum var. *carneum* J.T. Howell—*E. carneum* (J.T. Howell) Rev. in Munz
167. *E. apiculatum* S. Watson
E. apiculatum var. *subvirgatum* S. Stokes
168. *E. parishii* S. Watson
169. *E. ordii* S. Watson
E. tenuissimum Eastw.
170. *E. visheri* A. Nelson
171. *E. aliquantum* Rev.
172. *E. gordonii* Benth. in A.D.C.
E. trinervatum Small
173. *E. capillare* Small
174. *E. esmeraldense* S. Watson
174a. var. *esmeraldense*
174b. var. *toyabense* J.T. Howell
175. *E. concinnum* Rev.
176. *E. rubicaule* Tidestrom
E. trichopes Torr. in Emory var. *rubicaule* (Tidestrom) S. Stokes
E. lactum S. Stokes
177. *E. lennionii* S. Watson
178. *E. moranii* Rev.
179. *E. austrinum* (S. Stokes) Rev.
E. deflexum Torr. in Ives subsp. *austrinum* S. Stokes
180. *E. deflexum* Torr. in Ives
180a. var. *deflexum*
E. deflexum subsp. *typicum* S. Stokes
E. deflexum f. *stenopetale* H. Gross
180b. var. *nevadense* Rev.
180c. var. *turbinatum* (Small) Rev.
E. turbinatum Small
180d. var. *rectum* Rev.
180e. var. *baratum* (Elmer) Rev.
E. baratum Elmer—*E. deflexum* subsp. *baratum* (Elmer) Munz
181. *E. rixfordii* S. Stokes
E. deflexum Torr. in Ives subsp. *rixfordii* (S. Stokes) Munz
182. *E. hookeri* S. Watson
E. deflexum Torr. in Ives subsp. *hookeri* (S. Watson) S. Stokes
E. deflexum Torr. in Ives var. *gilvum* S. Stokes
183. *E. brachypodum* Torr. & A. Gray
E. deflexum Torr. in Ives var. *brachypodum* (Torr. & A. Gray) Munz—*E. deflexum* subsp. *brachypodum* (Torr. & A. Gray) S. Stokes
E. parryi A. Gray—*E. deflexum* Torr. in Ives subsp. *parryi* (A. Gray) S. Stokes
184. *E. bifurcatum* Rev.
185. *E. insigne* S. Watson
E. deflexum Torr. in Ives var. *insigne* (S. Watson) M.E. Jones—*E. deflexum* subsp. *insigne* (S. Watson) S. Stokes
E. exaltatum M.E. Jones—*E. deflexum* Torr. in Ives subsp. *exaltatum* (M.E. Jones) S. Stokes
186. *E. hoffmannii* S. Stokes
186a. var. *hoffmannii*
186b. var. *robustius* S. Stokes
E. hoffmannii subsp. *robustius* (S. Stokes) Munz
187. *E. watsonii* Torr. & A. Gray
E. deflexum Torr. in Ives subsp. *watsonii* (Torr. & A. Gray) S. Stokes—*E. deflexum* subsp. *watsonii* (Torr. & A. Gray) R. Davis
E. cernuum Nutt. var. *multipedunculatum* S. Stokes—*E. deflexum* Torr. in Ives var. *multipedunculatum* (S. Stokes) C.L. Hitchc.
188. *E. scabrellum* Rev.
189. *E. eremicola* J.T. Howell & Rev.
190. *E. tenellum* Torr.
190a. var. *tenellum*
E. tenellum subsp. *typicum* S. Stokes
E. tenellum var. *leptocladon* Benth. in A.D.C.
190b. var. *ramosissimum* Benth. in A.D.C.
E. tenellum var. *caulescens* Torr. & A. Gray, nom. superfl.

- 190c. var. *platyphyllum* (Torr. ex Benth. in A.DC.) Torr.
E. platyphyllum Torr. ex Benth. in A.DC. - *E. tenellum* subsp. *platyphyllum* (Torr. ex Benth. in A.DC.) S. Stokes
191. *E. cernuum* Nutt.
 191a. var. *cernuum*
E. cernuum subsp. *typicum* S. Stokes
E. cernuum var. *tenue* Torr. & A. Gray - *E. cernuum* subsp. *tenue* (Torr. & A. Gray) S. Stokes
E. cernuum var. *umbraticum* Eastw.
 191b. var. *viminale* (S. Stokes) Rev.
E. cernuum subsp. *viminale* S. Stokes
192. *E. rotundifolium* Benth. in A.DC.
E. cernuum Nutt. subsp. *rotundifolium* (Benth. in A.DC.) S. Stokes - *E. rotundifolium* var. *typicum* Goodman
E. rotundifolium subsp. *glaucescens* S. Stokes
E. rotundifolium var. *angustum* Goodman
193. *E. nutans* Torr. & A. Gray
 193a. var. *nutans*
E. cernuum Nutt. var. *purpurascens* Torr. & A. Gray in Beckwith
E. rubiflorum M.E. Jones
E. nutans var. *brevipedicellatum* S. Stokes
E. deflexum subsp. *ultrum* S. Stokes
 193b. var. *glabratum* Rev.
194. *E. thurberi* Torr. in Emory
E. cernuum Nutt. subsp. *thurberi* (Torr. in Emory) S. Stokes
E. panduratum S. Watson
E. thurberi var. *parishii* Gandoger
E. cernuum Nutt. subsp. *viscosum* S. Stokes
195. *E. thomasi* Torr.
E. minutiflorum S. Watson
196. *E. pusillum* Torr. & A. Gray
E. reniforme Torr. & Frém. in Frém. subsp. *pusillum* (Torr. & A. Gray) S. Stokes
E. comosum (M.E. Jones) M.E. Jones var. *playanum* M.E. Jones - *E. reniforme* Torr. & Frém. in Frém. var. *playanum* (M.E. Jones) S. Stokes
E. reniforme Torr. & Frém. in Frém. var. *asarifolium* Gandoger
197. *E. reniforme* Torr. & Frém. in Frém.
E. reniforme subsp. *typicum* S. Stokes
E. reniforme var. *comosum* M.E. Jones - *E. comosum* (M.E. Jones) M.E. Jones
198. *E. wetherillii* Eastw.
E. sessile S. Stokes ex M.E. Jones
E. filiforme L.O. Willms
199. *E. subreniforme* S. Watson
E. filicaule S. Stokes
200. *E. viscidulum* J.T. Howell
201. *E. collinum* S. Stokes ex M.E. Jones
202. *E. salicornioides* Gandoger
E. vimineum Douglas ex Benth. var. *salicornioides* (Gandoger) S. Stokes
E. demissum S. Stokes
E. demissum S. Stokes var. *romanum* S. Stokes
203. *E. abertianum* Torr. in Emory
E. abertianum subsp. *typicum* S. Stokes
E. abertianum var. *neomexicanum* Gandoger
E. abertianum var. *ruberrimum* Gandoger
E. cyclosepalum E. Greene - *E. abertianum* var. *cyclosepalum* (E. Greene) Fosc.
E. pinetorum E. Greene - *E. abertianum* subsp. *pinetorum* (E. Greene) S. Stokes
E. lappulaceum E. Greene - *E. abertianum* subsp. *lappulaceum* (E. Greene) S. Stokes - *E. abertianum* var. *lappulaceum* (E. Greene) Fosc.
E. abertianum var. *villosum* Fosc.
E. abertianum var. *gillespei* Fosc. - *E. cyclosepalum* E. Greene var. *gillespei* (Fosc.) I.M. Johnston
E. abertianum var. *bracteatum* Fosc.
204. *E. pharnaceoides* Torr. in Sitgreaves
 204a. var. *pharnaceoides*
E. arizanicum Gandoger, nom. illeg., non M.E. Jones
 204b. var. *cervinum* Rev.
205. *E. spergulinum* A. Gray
 205a. var. *reddingianum* (M.E. Jones) J.T. Howell
Oxytheca reddingiana M.E. Jones - *E. spergulinum* subsp. *reddingianum* (M.E. Jones) Munz ex Rev.
 205b. var. *spergulinum*
Oxytheca spergulina (A. Gray) E. Greene - *E. spergulinum* var. *typicum* J.T. Howell
 205c. var. *pratense* (S. Stokes) J.T. Howell
E. pratense S. Stokes
206. *E. hirtiflorum* A. Gray ex S. Watson
Oxytheca hirtiflora (A. Gray ex S. Watson) E. Greene
207. *E. inerme* (S. Watson) Jepson
 207a. var. *inerme*
Oxytheca inermis S. Watson - *E. vagans* S. Watson, nom. superfl. - *E. inerme* var. *typicum* Goodman
 207b. var. *hispidulum* Goodman
E. inerme subsp. *hispidulum* (Goodman) Munz
208. *E. angulosum* Benth.
E. angulosum subsp. *typicum* S. Stokes
209. *E. maculatum* A. Heller
E. angulosum Benth. var. *maculatum* (A. Heller) Jepson - *E. angulosum* Benth. subsp. *maculatum* (A. Heller) S. Stokes
E. angulosum Benth. var. *rectipes* Gandoger
E. angulosum Benth. var. *pauciflorum* Gandoger
E. angulosum Benth. var. *stabellatum* Gandoger
E. angulosum Benth. var. *patens* Gandoger
E. thurberi Torr. in Emory var. *acutangulum* Gandoger - *E. cernuum* Nutt. subsp. *acutangulum* (Gandoger) S. Stokes
210. *E. viridescens* A. Heller
E. angulosum Benth. var. *viridescens* (A. Heller) Jepson - *E. angulosum* Benth. subsp. *viridescens* (A. Heller) S. Stokes

- E. bidentatum* Jepson - *E. angulosum* Benth. subsp. *bidentatum* (Jepson) S. Stokes
211. *E. gracillimum* S. Watson
E. angulosum Benth. var. *gracillimum* (S. Watson) M.E. Jones - *E. angulosum* Benth. subsp. *gracillimum* (S. Watson) S. Stokes
E. variabile A. Heller - *E. angulosum* Benth. var. *variabile* (A. Heller) Parish
E. angulosum Benth. var. *victorensis* M.E. Jones - *E. angulosum* Benth. subsp. *victorensis* (M.E. Jones) S. Stokes
212. *E. gossypinum* Curran
- VIII. Subg. *Oregonium* (S. Watson) E. Greene
213. *E. mohavense* S. Watson
E. mohavense subsp. *typicum* S. Stokes
E. delicatulum S. Watson
214. *E. ampullaceum* J.T. Howell
E. mohavense S. Watson subsp. *ampullaceum* (J.T. Howell) S. Stokes
215. *E. eastwoodianum* J.T. Howell
E. truncatum Torr. & A. Gray var. *adsurgens* Jepson - *E. vimineum* Douglas ex Benth. subsp. *adsurgens* (Jepson) S. Stokes - *E. covilleum* Eastw. subsp. *adsurgens* (Jepson) Abrams
216. *E. tembloreense* J.T. Howell
217. *E. vestitum* J.T. Howell
218. *E. truncatum* Torr. & A. Gray
219. *E. argillosum* J.T. Howell
220. *E. covilleum* Eastw.
E. vimineum Douglas ex Benth. var. *covilleum* (Eastw.) S. Stokes
221. *E. nortonii* E. Greene
E. vimineum Douglas ex Benth. subsp. *nortonii* (E. Greene) S. Stokes
222. *E. luteolum* E. Greene
222a. var. *luteolum*
E. vimineum Douglas ex Benth. var. *luteolum* (E. Greene) S. Stokes
- 222b. var. *pedunculatum* (S. Stokes) Rev.
E. pedunculatum S. Stokes
- 222c. var. *saltuarium* Rev.
- 222d. var. *caninum* (E. Greene) Rev.
E. vimineum Douglas ex Benth. var. *caninum* E. Greene - *E. caninum* (E. Greene) Munz
E. vimineum Douglas ex Benth. var. *californicum* Gandoger
223. *E. vimineum* Douglas ex Benth.
E. vimineum subsp. *typicum* S. Stokes
E. vimineum var. *oregonense* Gandoger
E. vimineum var. *rigescens* Gandoger
E. vimineum var. *divergens* Gandoger
E. shoshone A. Nelson - *E. vimineum* var. *shoshone* (A. Nelson) S. Stokes
224. *E. davidsonii* E. Greene
E. baileyi S. Watson var. *davidsonii* (E. Greene) M.E. Jones - *E. molestum* S. Watson var. *davidsonii* (E. Greene) Jepson - *E. vimineum* Douglas ex Benth. var. *davidsonii* (E. Greene) S. Stokes
- E. juncinellum* Gandoger - *E. vimineum* Douglas ex Benth. subsp. *juncinellum* (Gandoger) S. Stokes
- E. vimineum* Douglas ex Benth. var. *glabrum* S. Stokes
- E. vimineum* Douglas ex Benth. var. *aviculare* S. Stokes
225. *E. molestum* S. Watson
E. vimineum Douglas ex Benth. subsp. *molestum* (S. Watson) S. Stokes
226. *E. roseum* Durand & Hilg.
E. virgatum Benth. in A.D.C. var. *roscum* (Durand & Hilg.) Torr. & A. Gray
E. virgatum Benth. in A.D.C. - *E. vimineum* Douglas ex Benth. subsp. *virgatum* (Benth. in A.D.C.) S. Stokes
E. virgatum Benth. in A.D.C. var. *rubidum* Jepson ex Bauer
227. *E. gracile* Benth. in Hinds
227a. var. *gracile*
E. vimineum Douglas ex Benth. subsp. *gracile* (Benth. in Hinds) S. Stokes
E. verucillatum Nutt.
E. acetoselloides Torr. ex Benth. in A.D.C. - *E. gracile* var. *acetoselloides* (Torr. ex Benth. in A.D.C.) Torr. & A. Gray
E. leucocladon Benth. - *E. gracile* var. *leucocladon* (Benth.) Torr. & A. Gray - *E. roseum* Durand & Hilg. var. *leucocladon* (Benth.) Hoover
- 227b. var. *incultum* Rev.
228. *E. cithariforme* S. Watson
228a. var. *cithariforme*
E. vimineum Douglas ex Benth. var. *cithariforme* (S. Watson) S. Stokes - *E. gracile* Benth. in Hinds var. *cithariforme* (S. Watson) Munz
- 228b. var. *agninum* (E. Greene) Rev.
E. vimineum Douglas ex Benth. var. *agninum* (E. Greene) S. Stokes
E. vimineum Douglas ex Benth. subsp. *polygonooides* S. Stokes - *E. gracile* Benth. in Hinds var. *polygonooides* (S. Watson) Munz
229. *E. baileyi* S. Watson
229a. var. *baileyi*
E. vimineum Douglas ex Benth. subsp. *baileyi* (S. Watson) S. Stokes - *E. vimineum* Douglas ex Benth. var. *baileyi* (S. Watson) R. Davis
E. gracile Benth. in Hinds var. *effusum* Torr. & A. Gray
E. baileyi var. *porphyreticum* S. Stokes ex M.E. Jones - *E. vimineum* Douglas ex Benth. var. *porphyreticum* (S. Stokes ex M.E. Jones) S. Stokes
E. restioides Gandoger - *E. vimineum* Douglas ex Benth. var. *restioides* (Gandoger) S. Stokes
E. vimineum Douglas ex Benth. var. *multiradiatum* S. Stokes

- 229b. var. *praebens* (Gandoger) Rev.
E. praebens Gandoger
E. praebens Gandoger var. *divaricatum* Gandoger - *E. baileyi* var. *divaricatum* (Gandoger) Rev. in Munz
E. leucocladum Gandoger
E. commixtum E. Greene ex Tidestrom - *E. vimineum* Douglas ex Benth. var. *commixtum* (E. Greene ex Tidestrom) S. Stokes
230. *E. elegans* E. Greene
E. vimineum Douglas ex Benth. var. *elegans* (E. Greene) Jepson - *E. baileyi* S. Watson subsp. *elegans* (E. Greene) Munz
231. *E. brachyanthum* Cov.
E. baileyi S. Watson var. *brachyanthum* (Cov.) Jepson - *E. vimineum* Douglas ex Benth. var. *brachyanthum* (Cov.) S. Stokes
232. *E. foliosum* S. Watson
233. *E. hastatum* Wiggins
E. foliosum S. Watson var. *hastatum* (Wiggins) Rev. in Munz
234. *E. nidularium* Cov.
E. vimineum Douglas ex Benth. subsp. *nidularium* (Cov.) S. Stokes
E. nidularium var. *lucienense* M.E. Jones
235. *E. palmerianum* Rev. in Munz
E. plumatella Durand & Hilg. var. *palmeri* Torr. & A. Gray - *E. baileyi* S. Watson var. *tomentosum* S. Watson, nom. superfl.
236. *E. polycladon* Benth. in A.D.C.
E. vimineum Douglas ex Benth. subsp. *polycladon* (Benth. in A.D.C.) S. Stokes
E. densum E. Greene - *E. vimineum* Douglas ex Benth. var. *densum* (E. Greene) S. Stokes
E. polycladon Benth. in A.D.C. var. *mexicanum* Gandoger
E. polycladon Benth. in A.D.C. var. *crispum* Gandoger
237. *E. dasyanthemum* Torr. & A. Gray
E. vimineum Douglas ex Benth. var. *eriodcladon* Benth. in A.D.C.
E. dasyanthemum var. *jepsonii* E. Greene
238. *E. divaricatum* Hook.
E. ameghinoi Speg. - *Sanmartinia ameghinoi* (Speg.) Buchinger
239. *E. puberulum* S. Watson
E. puberulum var. *venosum* S. Stokes
240. *E. darrovii* Kearney
2. DEDECKERA Rev. & J.T. Howell
241. *D. eurekaensis* Rev. & J.T. Howell
3. STENOGRAMMUM Nutt.
242. *S. flexum* (M.E. Jones) Rev. & J.T. Howell
Eriogonum flexum M.E. Jones
Eriogonum flexum M.E. Jones var. *ferronis* M.E. Jones
243. *S. salsuginosum* Nutt.
Eriogonum salsuginosum (Nutt.) Hook.
4. OXYTHECA Nutt.
41. Sect. *Oxythea*
244. *O. dendroidea* Nutt.
244A. subsp. *dendroidea*
Eriogonum dendroideum (Nutt.) S. Stokes - *E. dendroideum* var. *typicum* S. Stokes
O. foliosa Nutt. - *O. dendroidea* var. *foliosa* (Nutt.) M.E. Jones
O. dendroidea var. *hillmanii* S. Stokes ex M.E. Jones
Eriogonum dendroideum var. *hillmanii* S. Stokes
- 244B. subsp. *chilensis* (Rémy in Gay) Ertter
Brisegnoa chilensis Rémy in Gay
O. spiculata Miers
O. dendroidea var. *tonsiflora* I.M. Johnston
245. *O. watsonii* Torr. & A. Gray
Eriogonum cuspidatum S. Stokes
246. *O. perfoliata* Torr. & A. Gray
Eriogonum perfoliatum (Torr. & A. Gray) S. Stokes
- 4II. Sect. *Acanthoscyphus* (Small) Ertter
247. *O. parishii* C. Parry
247a. var. *parishii*
Acanthoscyphus parishii (C. Parry) Small - *Eriogonum abramsii* (McGregor) S. Stokes subsp. *acanthoscyphus* S. Stokes
247b. var. *cienegensis* Ertter
247c. var. *goodmaniana* Ertter
247d. var. *abramsii* (McGregor) Munz
Oxythea abramsii McGregor - *Eriogonum abramsii* (McGregor) S. Stokes - *E. abramsii* subsp. *typicum* S. Stokes - *O. parishii* subsp. *abramsii* (McGregor) Munz
- 4III. Sect. *Neoxythea* Ertter
248. *O. caryophylloides* C. Parry
Eriogonum caryophylloides (C. Parry) S. Stokes
249. *O. trilobata* A. Gray
Eriogonum trilobatum (A. Gray) S. Stokes
250. *O. emarginata* H.M. Hall
Eriogonum emarginatum (H.M. Hall) S. Stokes
5. GOODMANIA Rev. & Ertter
251. *G. luteola* (C. Parry) Rev. & Ertter
Oxythea luteola C. Parry - *Eriogonum spinescens* S. Stokes
6. GILMANIA Cov.
252. *G. luteola* (Cov.) Cov.
Phyllogonum luteolum Cov. - *Eriogonum luteolum* (Cov.) M.E. Jones, non E. Greene
7. NEMACAULIS Nutt.
253. *N. denudata* Nutt.

- 253a. var. *denudata*
N. nuttallii Benth. in A.D.C. – *Eriogonum denudatum* (Nutt.) Curran, non Nutt. – *E. nentacaulis* S. Stokes
N. foliosa Nutt.
 253b. var. *gracilis* Goodman & L. Benson
8. CHORIZANTHE R.Br. ex Benth.
 8I. Subg. Chorizanthe
 254. *C. paniculata* Benth.
C. ramosissimus Benth.
C. macraei Benth.
C. macraei Benth. var. *humilis* Benth. in A.D.C.
C. flavescens Philippi
C. rosea Philippi
C. densa Philippi
 255. *C. glabrescens* Benth
C. vaginata var. *arida* Rémy in Gay
C. tenuis Philippi
 256. *C. dasyantha* Philippi
C. parviflora Philippi
C. intricata Philippi
C. tenuis Philippi, non Philippi
C. fasciculata Philippi
C. humulis Philippi
C. illapelina Philippi
 257. *C. kingii* Philippi
C. pauciflora Philippi
 258. *C. deserticola* Philippi
 259. *C. virgata* Benth.
C. virgata var. *tomentosa* Benth. in A.D.C.
 260. *C. viridis* Philippi
 261. *C. peduncularis* Benth.
C. umbellata Philippi
 262. *C. vaginata* Benth.
C. vaginata var. *maritima* Rémy in Gay
 263. *C. frankenoides* Rémy in Gay
 8II. Subg. Quintaria Rev. & Hardham
 264. *C. spinosa* S. Watson
Eriogonella spinosa (S. Watson) Goodman
 8III. Subg. Eriogonella (Goodman) Rev. & Hardham
 265. *C. membranacea* Benth.
Eriogonella membranacea (Benth.) Goodman
 8IV. Subg. Amphietes Rev. & Hardham
 266. *C. stellulata* Benth. in A.D.C.
 267. *C. douglasii* Benth.
C. nortonii E. Greene
 268. *C. diffusa* Benth. in A.D.C.
C. pungens Benth. in A.D.C. Curran – *C. nivea* (Curran) A. Heller – *C. diffusa* var. *nivea* (Curran) Hoover
C. andersonii C. Parry
 269. *C. pungens* Benth.
 269a. var. *pungens*
C. douglasii Benth. var. *albens* C. Parry
 269b. var. *hartwegiana* Rev. & Hardham
 270. *C. angustifolia* Nutt.
C. angustifolia var. *eastwoodae* Goodman
 271. *C. cuspidata* S. Watson
 271a. var. *cuspidata*
C. pungens Benth. var. *cuspidata* (S. Watson) C. Parry
C. cuspidata var. *marginata* Goodman
 271b. var. *villosa* (Eastw.) Munz
C. villosa Eastw.
 272. *C. robusta* C. Parry
C. pungens Benth. var. *robusta* (C. Parry) Jepson
C. douglasii Benth. var. *hartwegii* Benth. in A.D.C. – *C. pungens* Benth. var. *hartwegii* (Benth. in A.D.C.) Goodman
 273. *C. howellii* Goodman
 274. *C. valida* S. Watson
 275. *C. palmieri* S. Watson
 276. *C. biloba* Goodman
 276a. var. *biloba*
C. palmeri S. Watson var. *biloba* (Goodman) Munz
 276b. var. *immemora* Rev. & Hardham
 277. *C. ventricosa* Goodman
C. palmeri S. Watson var. *ventricosa* (Goodman) Munz
 278. *C. obovata* Goodman
C. obovata f. *prostrata* Goodman
 279. *C. blakleyi* Hardham
 280. *C. rectispina* Goodman
 281. *C. clevelandii* C. Parry
 282. *C. uniaristata* Torr. & A. Gray
 283. *C. parryi* S. Watson
 283a. var. *parryi*
 283b. var. *fernandina* (S. Watson) Jepson
C. fernandina S. Watson
 284. *C. inequalis* S. Stokes
 285. *C. procumbens* Nutt.
C. uncinata Nutt.
C. procumbens var. *albiflora* Goodman
C. procumbens var. *mexicana* Goodman
C. jonesiana Goodman
C. chaetophora Goodman
 286. *C. staticoides* Benth.
C. nudicaule Nutt. – *C. staticoides* var. *nudicaule* (Nutt.) Jepson
C. discolor Nutt.
C. staticoides f. *bracteata* Goodman
C. staticoides var. *brevispina* Goodman
C. staticoides var. *elata* Goodman
C. staticoides var. *lauloba* Goodman
C. chrysacantha Goodman – *C. staticoides* subsp. *chrysacantha* (Goodman) Munz
C. chrysacantha Goodman var. *compacta* Goodman
 287. *C. leptotheca* Goodman
 288. *C. xantii* S. Watson
 288a. var. *xantii*

- 288b. var. *leucotheca* Goodman
C. xantii subsp. *leucotheca* (Goodman) Munz
289. *C. breweri* S. Watson
290. *C. wheeleri* S. Watson
C. insularis R. Hoffmann
291. *C. turbinata* Wiggins
292. *C. mutabilis* Brandegee
293. *C. rosulenta* Rev.
294. *C. pulchella* Brandegee
295. *C. flava* Brandegee
C. vaseyi Rose
296. *C. fimbriata* Nutt.
 296a. var. *fimbriata*
 296b. var. *laciniata* (Torr. in Parke) Jepson
C. laciniata Torr. in Parke
297. *C. polygonoides* Torr. & A. Gray
 297a. var. *polygonoides*
Acanthogonum polygonoides (Torr. & A. Gray) Goodman
 297b. var. *longispina* Goodman
Acanthogonum polygonoides (Torr. & A. Gray) Goodman var. *longispinum* Goodman - *C. polygonoides* subsp. *longispina* (Goodman) Munz
298. *C. rigida* (Torr. in Whipple) Torr. & A. Gray
Acanthogonum rigidum Torr. in Whipple
299. *C. orcuttiana* C. Parry
300. *C. watsonii* Torr. & A. Gray
301. *C. corrugata* (Torr. in Blake) Torr. & A. Gray
Acanthogonum corrugatum Torr. in Blake
302. *C. brevicornu* Torr. in Emory
 302a. var. *brevicornu*
 302b. var. *spatulata* (Small ex Rydb.) C.L. Hitchc.
C. spatulata Small ex Rydb. - *C. brevicornu* subsp. *spatulata* (Small ex Rydb.) Munz
303. *C. commissuralis* Rémy in Gay
304. *C. interposita* Goodman
9. MUCRONEA Benth.
305. *M. californica* Benth.
Chorizanthe californica (Benth.) A. Gray
Chorizanthe californica (Benth.) A. Gray var. *suksdorfii* Macbride - *M. californica* var. *suksdorfii* (Macbride) Goodman
306. *M. perfoliata* (A. Gray) A. Heller
Chorizanthe perfoliata A. Gray
M. perfoliata var. *opaca* Hoover
10. SYSTEMOTHECA Rev. & Hardham
307. *S. vortriedei* (Brandegee) Rev. & Hardham
Chorizanthe vortriedei Brandegee - *Centrostegia vortriedei* (Brandegee) Goodman
11. CENTROSTEGIA A. Gray ex Benth. in A.D.C.
308. *C. thurberi* A. Gray ex Benth. in A.D.C.
Chorizanthe thurberi (A. Gray ex Benth. in A.D.C.) S. Watson
Chorizanthe thurberi (A. Gray ex Benth. in A.D.C.) S. Watson var. *cryptantha* Curran - *Chorizanthe cryptantha* (Curran) Goodd.
Chorizanthe thurberi (A. Gray ex Benth. in A.D.C.) S. Watson var. *macrotheca* J.T. Howell - *Centrostegia thurberi* var. *macrotheca* (J.T. Howell) Goodman
12. DODECAHEMA Rev. & Hardham
309. *D. leptoceras* (A. Gray in Torr. & A. Gray) Rev. & Hardham
Centrostegia leptoceras A. Gray in Torr. & A. Gray - *Chorizanthe leptoceras* (A. Gray in Torr. & A. Gray) S. Watson
13. ARISTOCAPSA Rev. & Hardham
310. *A. insignis* (Curran) Rev. & Hardham
Chorizanthe insignis Curran - *Centrostegia insignis* (Curran) A. Heller - *Oxytheca insignis* (Curran) Goodman
14. HOLLISTERIA S. Watson
311. *H. lanata* S. Watson
Eriogonum lanatum (S. Watson) Roberty & Vautier
Chorizanthe floccosa M.E. Jones
15. LASTARRIAEA Rémy in Gay
312. *L. coriacea* (Goodman) Hoover
L. chilensis Rémy in Gay subsp. *californica* H. Gross - *Chorizanthe lastarriaea* C. Parry var. *californica* (H. Gross) Goodman - *Chorizanthe coriacea* Goodman
313. *L. ptilota* Rev.
314. *L. chilensis* Rémy in Gay
Chorizanthe lastarriaea C. Parry, nom. superfl.
L. stricta Philippi ex C. Parry
L. linearis Philippi ex C. Parry
16. HARFORDIA E. Greene & C. Parry in C. Parry
315. *H. macroptera* (Benth. in Hinds) E. Greene & C. Parry in C. Parry
 315a. var. *galioides* (E. Greene) Rev.
H. galioides E. Greene
 315b. var. *fruticosa* (E. Greene) Rev.
H. fruticosa E. Greene
 315c. var. *macroptera*
Pterostegia macroptera Benth. in Hinds
17. PTEROSTEGIA Fischer & C. Meyer
316. *P. drymarioides* Fischer & C. Meyer
P. diphylla Nutt.
P. diphylla Nutt. var. *biloba* Nutt.
P. microphylla Nutt.

INDEX TO NAMES

- Acanthogonum*
corrugatum, 301
polygonoides, 297a
longispinum, 297b
rigidum, 298
- Acanthoscyphus*
parishii, 247a
- Aristocapsa*, 13
insigis, 310
- Brisegnoa*
chilensis, 244B
- Centrostegia*, 11
insignis, 310
leptoceras, 309
thurberi, 308
macrothera, 308
vortricidei, 307
- Chorizanthe*, 8
Amphietes, 8IV
andersonii, 268
angustifolia, 270
eastwoodae, 270
biloba, 276
biloba, 276a
immermora, 276b
blakleyi, 279
brevicornu, 302
brevicornu, 302a
spathulata, 302b
breweri, 289
californica, 305
suksdorfii, 305
chaetophora, 285
Chorizanthe, 8I
chrysacantha, 286
compacta, 286
clevelandii, 281
commissuralis, 303
coriacea, 312
corrugata, 301
cryptantha, 308
cuspidata, 271
cuspidata, 271a
marginata, 271a
villosa, 271b
dasyantha, 256
densa, 254
deserticola, 258
diffusa, 268
nivea, 268
discolor, 286
douglasii, 257
albena, 269a
hartwegii, 272
- Eriogonella*, 8III
fasciculata, 256
fernandina, 283b
fimbriata, 296
fimbriata, 296a
laciniata, 296b
flava, 295
flavescens, 254
floccosa, 311
frankenoides, 263
glabrescens, 255
howellii, 273
humulis, 256
illapelina, 256
inequalis, 284
insignis, 310
insularis, 290
interposita, 304
intricata, 256
jonesiana, 285
kingii, 257
laciniata, 296b
lastarriaea, 314
californica, 312
leptoceras, 309
leptotheca, 287
macraei, 254
humilis, 254
membranacea, 265
mutabilis, 292
nivea, 268
nortonii, 267
nudicaule, 286
obovata, 278
prostrata, 278
orcuttiana, 299
palmeri, 275
biloba, 276a
ventricosa, 276b
paniculata, 254
parryi, 283
fernandina, 283b
parryi, 283a
parviflora, 256
pauciflora, 257
peduncularis, 261
perfoliata, 306
polygonoides, 297
longispina, 297b
polygonoides, 297a
procumbens, 285
albiflora, 285
mexicana, 285
pulchella, 294
pungens, 269
cuspidata, 271a
- hartwegiana*, 269b
hartwegii, 272
nivea, 268
pungens, 269a
robusta, 272
Quintana, 8II
ramosissimus, 254
rectispina, 280
rigida, 298
robusta, 272
rosea, 254
rosulenta, 293
spathulata, 302b
spinosa, 264
staticoides, 286
bracteata, 286
brevispina, 286
chrysacantha, 286
elata, 286
latiloba, 286
nudicaule, 286
stellulata, 266
tenuis, 255, 256
thurberi, 308
cryptantha, 308
macrotheca, 308
turbinata, 291
umbellata, 261
uncinata, 285
uniaristata, 282
vaginata, 262
arida, 255
maritima, 262
valida, 274
vaseyi, 295
ventricosa, 277
villosa, 271b
virgata, 259
tomentosa, 259
viridis, 260
vortricidei, 307
watsonii, 300
wheeleri, 290
xantii, 288
leucotheca, 288b
xantii, 288a
- Dodeckera*, 2
eurekaensis, 241
- Dodecagema*, 12
leptoceras, 309
- Eriogonella*
spinosa, 264
membranacea, 265
- Eriogonum*, 1
abertianum, 203
bracteatum, 203

- cyclosepalum, 203
 gillespei, 203
 lappulaceum, 203
 neomexicanum, 203
 pinetorum, 203
 ruberrimum, 203
 typicum, 203
 villosum, 203
 abramsii, 247d
 acanthoscyphus, 247a
 typicum, 247d
 acaule, 48
 longilobum, 87a
 shockleyi, 87a
 acetoselloides, 227a
 affine, 96m
 ainliei, 17b
 alatum, 153
 alatum, 153a
 brevifolium, 153a
 elatum, 153a
 glabriusculum, 153c
 macdougalii, 153b
 mogollense, 153b
 triste, 153a
 typicum, 153a
 album, 103
 aliquantum, 171
 allenii, 137
 alpinum, 142
 ameghinoi, 238
 ammophilum, 5
 ampullaceum, 214
 andinum, 127
 androsaceum, 135
 piperi, 134d
 anemophilum, 67
 cusickii, 61
 angelense, 157
 angulosum, 208
 bidentatum, 210
 flabellatum, 209
 gracillimum, 211
 maculatum, 209
 patens, 209
 pauciflorum, 209
 rectipes, 209
 typicum, 208
 variabile, 211
 victorensis, 211
 viridescens, 210
 angustifolium, 112b
 annuum, 106
 chihuahuense, 106
 cymosum, 106
 hitchcockii, 106
 pauciflorum, 106
 roseum, 106
 typicum, 106
 anserinum, 102d
 apachense, 34
 apiculatum, 167
 subvirgatum, 167
 apricum, 36
 apricum, 36a
 prostratum, 36b
 arachnoideum, 97
 arborescens, 26
 arcuatum, 132a
 aretioides, 86
 argillosum, 219
 argophyllum, 77
 aridum, 111j
 arizonicum, 156, 204a
 atrorubens, 143
 atrorubens, 143a
 auritulum, 143d
 intonsum, 143c
 nemorosum, 143e
 pseudociliatum, 143b
 rupestre, 143f
 aureum, 13g
 ambiguum, 1h
 glutinatum, 13g
 auriculatum, 96i
 austrinum, 179
 azaleastrum, 111c
 baileyi, 229
 baileyi, 229a
 brachyanthum, 231
 davidsonii, 224
 divaricatum, 229b
 elegans, 230
 porphyreticum, 229a
 praebens, 229b
 tomentosum, 235
 bakeri, 132a
 bannockense, 37e
 baratum, 180e
 batemanii, 52
 eremicum, 51
 ostlundii, 50
 beatleyae, 66
 bellum, 102a
 bicolor, 8
 bidentatum, 210
 bifurcatum, 184
 biumbellatum, 111x
 blissianum, 26
 bloomeri, 104
 brachyanthum, 231
 brachypodium, 183
 brandegei, 45
 breedlovei, 68
 brevidense, 68a
 shevockii, 68b
 brevicaulis, 37
 aureum, 37a
 brevicaule, 37a
 campanulatum, 37a
 canum, 38
 cottamii, 37d
 desertorum, 57
 ephedroides, 40
 grangerense, 37a
 laxifolium, 37e
 leptothecum, 37a
 loganum, 44
 micranthum, 37b
 nanum, 37e
 orendense, 37b
 promiscuum, 37e
 pumilum, 37e
 typicum, 37a
 viridulum, 39
 wasatchense, 37c
 butterworthianum, 91
 caespitosum, 127
 acaule, 48
 alyssoides, 127
 douglasii, 125a
 kelloggii, 123
 ramosum, 112b
 sublineare, 125b
 typicum, 127
 campanulatum, 37a
 aureum, 37a
 grangerense, 37a
 leptothecum, 37a
 orendense, 37b
 typicum, 37a
 caninum, 222d
 capillare, 173
 capistratum, 74
 capistratum, 74a
 muhlickii, 74b
 welshii, 74c
 capitatum, 96m
 caryophylloides, 248
 cernuum, 191
 acutangulum, 209
 cernuum, 191a
 multipedunculatum, 187
 purpurascens, 193a
 rotundifolium, 192
 tenue, 191a
 thurberi, 194

- typicum, 191a
 umbraticum, 191a
 viminale, 191b
 viscosum, 194
 chloranthum, 132b
 chrysocephalum, 37e
 alpestre, 54b
 bannockense, 37e
 cusickii, 61
 desertorum, 57
 loganum, 44
 manicum, 75
 typicum, 37e
 chrysops, 70
 ciliatum, 148
 foliosum, 149
 cinereum, 20
 cithariforme, 228
 agninum, 228b
 cithariforme, 228a
 Clastomyelon IIII
 clavatum, 161a
 clavellatum, 7
 clivusum, 144
 clutei, 158b
 cognatum, 111bb
 collinum, 201
 coloradense, 81
 commixtum, 229b
 comosum, 197
 playanum, 196
 compositum, 113
 compositum, 113a
 citrinum, 113a
 lancifolium, 113c
 leianthum, 113b
 pilicaule, 113a
 simplex, 113b
 typicum, 113a
 concinnum, 175
 confertiflorum, 1a
 stansburyi, 37a
 congonii, 117
 contiguum, 162
 contortum, 46
 cordatum, 166
 coriaceum, 109a
 correllii, 136
 corymbosum, 13
 albogilvum, 37a
 ambiguum, 1h
 aureum, 13g
 corymbosum, 13a
 cronquistii, 53
 davidsei, 13c
 divaricatum, 13a
 erectum, 13b
 glutinatum, 13g
 humivagans, 17a
 matthewsae, 18d
 orbiculatum, 13c
 revealianum, 13d
 smithii, 11
 velutinum, 13f
 coryphaeum, 140a
 covilleianum, 220
 adsurgens, 215
 covillei, 111h
 crassifolium, 134a
 tectum, 134a
 crispum, 13g
 crocatum, 105
 croceum, 111s
 cronquistii, 53
 crosbyae, 64
 cupreum, 111a
 cupulatum, 128
 curvatum, 89h
 cusickii, 61, 102a
 californicum, 102a
 cuspidatum, 245
 cyclosepalum, 203
 gillespei, 203
 cymosum, 106
 darrovii, 240
 dasyanthemum, 237
 jepsonii, 237
 davidsonii, 224
 davisianum, 101a
 decumbens, 103
 deductum, 96c
 deflexum, 180
 austrinum, 179
 baratum, 180e
 brachypodum, 183
 deflexum, 180a
 exaltatum, 185
 gilvum, 182
 hookeri, 182
 insigne, 185
 multipedunculatum, 187
 nevadense, 180b
 parryi, 183
 rectum, 180d
 rixfordii, 181
 stenopetale, 180a
 turbinatatum, 180c
 typicum, 180a
 ultrum, 193a
 watsonii, 187
 delicatulum, 213
 demissum, 202
 romanum, 202
 dendroideum, 244A
 hillmanii, 244A
 typicum, 244A
 densum, 236
 denudatum, 88a, 253a
 depauperatum, 82a
 depressum, 101h
 deserticola, 31
 desertorum, 57
 dichotomum, 103
 humile, 103
 diclinum, 130
 dioecium, 82a
 divaricatum, 238
 divergens, 13a
 douglasii, 125
 douglasii, 125a
 ramosum, 112b
 sublineare, 125b
 tenue, 125b
 twisselmannii, 126
 duchesnense, 37a
 dudleyanum, 4
 dumosum, 111n
 eastwoodae, 3a
 eastwoodianum, 215
 effusum, 2
 ainliei, 17b
 contortum, 46
 corymbosum, 13a
 divaricatum, 13a
 durum, 14
 effusum, 2a
 fendlerianum, 17b
 foliosum, 1b
 helichrysoides, 2b
 leptocladon, 3c
 leptophyllum, 6
 limbatum, 1c
 nelsonii, 1b
 nudicaule, 17c
 orbiculatum, 13e
 pallidum, 3a
 rosarnioides, 2b
 salicinum, 17a
 salinum, 13b
 shandsii, 3c
 simpsonii, 1b
 typicum, 2a
 elatum, 99
 elatum, 99a
 erianthum, 99a
 glabrescens, 138
 incurvum, 99b
 limonifolium, 99a

- villosum, 99b
 elegans, 230
 ellipticum, 111s
 megacephalum, 124a
 elongatum, 88
 areorivum, 88b
 elongatum, 88a
 vollmeri, 88c
 emarginatum, 250
 encelioides, 24
 ephedroides, 40
 eremicola, 189
 eremicum, 51
 ericifolium, 10
 ericifolium, 10b
 pulchrum, 10a
 thornei, 10c
 Eriogonum, 11V
 esmeraldense, 174
 esmeraldense, 174a
 toyabense, 174b
 Eucycla, 11
 exaltatum, 185
 exilifolium, 80
 eximium, 101c
 fasciculatum, 19
 aspathoides, 19d
 emphercium, 19c
 ericifolium, 10b
 fasciculatum, 19d
 flavovirde, 19b
 foliolosum, 19e
 maritimum, 19d
 obtusifolium, 19e
 oleifolium, 19d
 polifolium, 19a
 revolutum, 19a
 typicum, 19d
 fasciculifolium, 124b
 fastigiatum, 30
 fendlerianum, 17b
 ferrissii, 111x
 filicaule, 199
 filiforme, 198
 fimbriatum, 145
 flavissimum, 102d
 flavum, 134
 androsaceum, 135
 aquilinum, 134b
 caudiciferum, 134a
 chloranthum, 132b
 crassifolium, 134a
 flavum, 134a
 foliatum, 132a
 incisum, 134a
 linguifolium, 134a
 multicum, 134a
 piperi, 134d
 polyphyllum, 134c
 sericeum, 134a
 tectum, 134a
 typicum, 134a
 xanthum, 132b
 flexum, 242
 ferronis, 242
 floridanum, 109c
 foliosum, 232
 hastatum, 233
 formosum, 22c
 friscanum, 1b
 fruticosum, 13g
 ambiguum, 1h
 glutinosum, 13g
 fruticulosum, 124b
 fulvum, 102a
 fusiforme, 158c
 galioides, 155
 Ganysma 1VII
 geniculatum, 33b, 124a
 giganteum, 22
 compactum, 22b
 formosum, 22c
 giganteum, 22a
 gilmanii, 100
 glaberrimum, 111dd
 aureum, 111c
 glandulosum, 166
 carneum, 166
 glaucum, 158a
 gnaphaloides, 82b
 gordonii, 172
 gossypinum, 212
 gracile, 227
 acetoselloides, 227a
 cithariforme, 228a
 effusum, 229a
 gracile, 227a
 incultum, 227b
 leucocladon, 227a
 polygonoides, 228b
 gracilipes, 78
 gracillimum, 211
 gramineum, 96g
 grande, 98
 dunklei, 98d
 grande, 98a
 rubescens, 98d
 testudinum, 98b
 timorum, 98c
 grangerense, 37a
 grayi, 37e
 greggii, 149
 gypsophilum, 49
 gyrophyllum, 112a
 halimioides, 124c
 harfordii, 96m
 harperi, 109b
 hastatum, 233
 hausknechtii, 111i
 havardii, 56
 heermannii, 33
 argense, 33g
 clokeyi, 33c
 floccosum, 33e
 heermannii, 33b
 humilius, 33a
 occidentale, 33d
 subracemosum, 33f
 sulcatum, 33h
 typicum, 33b
 helianthemifolium, 89a
 helichrysoides, 2b
 hemipterum, 150
 griseum, 150b
 hemipterum, 150a
 henricksonii, 146
 heracleoides, 112
 angustifolium, 112b
 heracleoides, 112a
 leucophaeum, 112c
 micranthum, 112b
 minus, 112a
 multiceps, 112a
 rydbergii, 112a
 simplex, 113b
 subalpinum, 111r
 typicum, 112a
 utahense, 112a
 virde, 111f
 hieracifolium, 152
 atropurpureum, 150a
 hemipterum, 150a
 hirtellum, 139
 hirtiflorum, 206
 hitchcockii, 106
 hoffmannii, 186
 hoffmannii, 186a
 robustus, 186b
 holmgrenii, 79
 hookeri, 182
 howellianum, 165
 howellii, 33g
 argense, 33g
 subracemosum, 33f
 humivagans, 17a
 hylophilum, 15
 idahoense, 1i
 incanum, 129

- indictum, 96j
 inerme, 207
 hispidulum, 207b
 inerme, 207a
 typicum, 207a
 inflatum, 158
 contiguum, 162
 deflatum, 158a
 fusiforme, 158c
 inflatum, 158b
 typicum, 158b
 insigne, 185
 intermontanum, 17e
 intrafractum, 108
 intricatum, 1a, 164
 irretitum, 163
 jamesii, 132
 arcuatum, 132a
 bakeri, 132a
 flavescens, 132a
 jamesii, 132e
 neomexicanum, 132e
 rupicola, 132d
 simplex, 132f
 typicum, 132e
 undulatum, 132g
 wootonii, 132c
 xantum, 132b
 johnstonii, 113a
 jonesii, 16
 junceum, 89h
 juncinellum, 224
 kearneyi, 4
 monoense, 4
 kelloggii, 123
 kennedyi, 90
 alpigeum, 90c
 austromontanum, 90b
 gracilipes, 78
 kennedyi, 90a
 olanchense, 89i
 pinicola, 90e
 pinorum, 89h
 purpurii, 90d
 typicum, 90a
 kingii, 76
 laxifolium, 37e
 lachnogynum, 55
 tetraneuris, 55
 typicum, 55
 lachnostegium, 103
 laetum, 176
 lagopus, 38
 lagunense, 158a
 lanatum, 311
 lancifolium, 14
 longifolium, 109a
 plantagineum, 109a
 typicum, 109a
 lateriflorum, 134a
 lateum, 111a
 latifolium, 97
 affine, 96m
 alternans, 96i
 auriculatum, 96i
 decurrens, 96l
 grande, 98a
 harfordii, 96m
 indictum, 96j
 nudum, 96a
 parvulum, 96a
 pauciflorum, 96e
 rubescens, 98d
 saxicola, 96g
 scapigerum, 96d
 sulphureum, 96m
 typicum, 97
 westonii, 96g
 laxifolium, 37e
 lemmonii, 177
 leptocladon, 3
 leptocladon, 3c
 papiiunculi, 3b
 ramosissimum, 3a
 leptophyllum, 6
 leucocladon, 227a
 leucocladum, 227b
 leucophyllum, 56
 pannosum, 152
 typicum, 56
 lewisii, 58
 libertini, 116
 lindheimerianum, 106
 lobbii, 141
 lobbii, 141a
 minus, 141a
 robustum, 141b
 loganum, 44
 lonchophyllum, 17
 fendlerianum, 17b
 intermontanum, 17e
 lonchophyllum, 17a
 nudicaule, 17c
 saurinum, 17d
 longifolium, 109
 caput-felis, 109a
 diffusum, 109a
 floridanum, 109c
 gnaphalifolium, 109c
 harperi, 109b
 lindheimeri, 109a
 longidens, 109c
 longifolium, 109a
 plantagineum, 109a
 typicum, 109a
 longilobum, 87a
 longulum, 96a
 luteolum, 222, 252
 caninum, 222d
 luteolum, 222a
 pedunculatum, 222b
 saltuarium, 222c
 macdougallii, 1b
 maculatum, 209
 mancum, 75
 marginale, 111c
 marifolium, 128
 apertum, 128
 incanum, 129
 mearnsii, 10b
 pulchrum, 10a
 medium, 37e
 meledonum, 73
 mensicola, 92b
 Micrantha, 111
 micranthum, 37b
 microthecum, 1
 alpinum, 1g
 ambiguum, 1h
 aureum, 13g
 bicolor, 8
 confertiflorum, 1a
 corymbosoides, 1d
 crispum, 13g
 effusum, 2a
 ericifolium, 10b
 expansum, 1h
 fendlerianum, 17b
 foliosum, 1b
 friscanum, 1b
 idahoense, 1i
 intermedium, 1b
 johnstonii, 1e
 lapidicola, 1f
 laxiflorum, 1a
 leptocladon, 3c
 leptophyllum, 6
 macdougallii, 1b
 mearnsii, 10b
 microthecum, 1i
 panamintense, 1c
 pulchrum, 10a
 rigidum, 1b
 simpsonii, 1b
 spathulare, 1a
 typicum, 1i
 minimum, 122
 minus, 111m

- minutiflorum, 195
 modocense, 111n
 mohavense, 213
 ampullaceum, 214
 typicum, 213
 molestum, 225
 davidsonii, 224
 molle, 25
 montanum, 111i
 monticola, 138
 moranii, 178
 mortonianum, 12
 multiceps, 82a
 canum, 38
 coloradense, 81
 typicum, 82a
 multiflorum, 107
 myrianthum, 2a
 nanum, 37e
 natum, 43
 nealleyi, 151
 neglectum, 111c
 nelsonii, 1b
 nemacaulis, 253a
 nervulosum, 119
 nevadense, 59a
 nidularium, 234
 luciense, 234
 nivale, 101i
 niveum, 103
 candelabrum, 103
 decumbens, 103
 dichotomum, 103
 greenii, 102b
 suksdorfii, 103
 typicum, 103
 nodosum, 89g
 jaegeri, 35
 kearneyi, 4
 monoense, 4
 nortonii, 221
 novonudum, 60
 nudicaule, 17c
 angustum, 37e
 garrettii, 37a
 ochroflorum, 41
 paraleyense, 37a
 pumilum, 37e
 scoparium, 17a
 tristichum, 17a
 typicum, 17c
 nudum, 96
 auriculatum, 96i
 decurrens, 96l
 deductum, 96c
 gramineum, 96g
 grande, 98a
 indictum, 96j
 murinum, 96h
 nudum, 96a
 oblongifolium, 96m
 paralinum, 96b
 pauciflorum, 96e
 perturbum, 96e
 pubiflorum, 96f
 regirivum, 96k
 saxicola, 96g
 scapigerum, 96d
 sulphureum, 96m
 westonii, 96g
 nummulare, 4
 ammophilum, 5
 nutans, 193
 brevipedicellatum, 193a
 glabratum, 193b
 nutans, 193a
 nuttallii, 101a
 oblanceolatum, 96a
 oblongifolium, 97
 minus, 101a
 obtusum, 94
 ochrocephalum, 59
 agnellum, 65
 alexandreae, 59d
 angustum, 37e
 breedlovei, 68a
 calcareum, 59b
 chrysops, 70
 gracilipes, 78
 ochrocephalum, 59a
 sceptrum, 59c
 ochroleucum, 101g
 decalvans, 101g
 macropodum, 101g
 Oligogonum, 1V
 orcuttianum, 28
 ordii, 169
 Oregonium, 1VIII
 orendense, 37b
 orthocaulon, 101a
 orthocladon, 94
 ostlundii, 50
 ovalifolium, 101
 anserinum, 102d
 bellum, 102a
 caelestinum, 101j
 celsum, 101a
 cerastoides, 101a
 cyclophyllum, 101a
 deltoideum, 101b
 depressum, 101h
 eximium, 101c
 flavissimum, 102d
 macropodum, 101g
 multiscapum, 101a
 nevadense, 101b
 nivale, 101i
 ochroleucum, 101g
 orthocaulon, 101a
 ovalifolium, 101b
 pansum, 101f
 proliferum, 102a
 purpureum, 101a
 typicum, 101b
 utahense, 101a
 vineum, 101e
 williamsae, 101d
 ovatum, 118
 pallidum, 3a
 palmerianum, 235
 panamintense, 92
 mencicola, 92b
 panamintense, 92a
 panduratum, 194
 panguicense, 54
 alpestre, 54b
 panguicense, 54a
 pannosum, 152
 parishii, 168
 parryi, 183
 parviflorum, 82a
 parvifolium, 21
 crassifolium, 21
 lucidum, 21
 paynei, 21
 typicum, 21
 pauciflorum, 82
 canum, 38
 gnaphaloides, 82b
 panguicense, 54a
 pauciflorum, 82a
 pedunculatum, 222b
 pelinophilum, 47
 pendulum, 32
 peninsulare, 28
 perfoliatum, 246
 pharmaceoides, 204
 cervinum, 204b
 pharmaceoides, 204a
 pilicaule, 113a
 pilosum, 159
 pinetorum, 203
 piperi, 134d
 longiflorum, 134d
 ochrocephalum, 134d
 platyphyllum, 190c
 plumatella, 35

- jaegeri, 35
 palmeri, 235
 typicum, 35
 polifolium, 19a
 polyanthum, 111n
 bahiiforme, 111z
 polycladon, 236
 crispum, 236
 mexicanum, 236
 polyphyllum, 134c
 polypodium, 131
 pondii, 27
 gentryi, 27
 porteri, 111d
 praebens, 229b
 divaricatum, 229b
 pratense, 205c
 prattenianum, 120
 avium, 120b
 prattenianum, 120a
 preclarum, 154
 pringlei, 89f
 prociuum, 63
 proliferum, 102a
 anserinum, 102d
 Pterogonum, 1VI
 puberulum, 239
 venosum, 239
 pulchrum, 10a
 purpureum, 101a
 tenius, 101a
 purpursii, 90d
 pusillum, 196
 pyroliifolium, 140
 bellingeranum, 140a
 coryphaeum, 140a
 pyroliifolium, 140b
 typicum, 140b
 racemosum, 94
 coccineum, 95b
 cordifolium, 94
 desertorum, 92a
 obtusum, 94
 orthocladon, 94
 sagittatum, 94
 typicum, 94
 zionis, 95a
 ramosissimum, 3a
 reclinatum, 111f
 reliquum, 92a
 reniforme, 197
 asarifolium, 196
 comosum, 197
 playanum, 196
 pusillum, 196
 typicum, 197
 repens, 160
 revealianum, 13d
 revolutum, 19a
 rhodanthum, 101i
 ripleyi, 9
 rixfordii, 181
 robustum, 141b
 roseiflorum, 101a
 rosense, 65
 roscum, 226
 leucocladon, 227a
 rosmarinifolium, 19d
 foliolosum, 19e
 rosulatum, 129
 rotundifolium, 192
 angustum, 192
 glaucescens, 192
 typicum, 192
 rubescens, 98d
 rubicaule, 176
 rubidum, 101h
 frigidum, 101h
 rubiflorum, 193a
 rupestre, 143f
 rupinum, 93
 rydbergii, 111b
 sabulosum, 37a
 salicinum, 17a
 salicornioides, 202
 salinum, 13b
 salsuginosum, 243
 sarothrifforme, 17a
 saurinum, 17d
 saxatile, 104
 crocatum, 105
 multicaule, 104
 stokesae, 104
 saxicola, 96g
 scabrellum, 188
 scalare, 163
 scapigerum, 96d
 scoparium, 17a
 scopulorum, 69
 sericeum, 134a
 sericoleucum, 127
 sessile, 198
 shockleyi, 87
 shockleyi candidum, 87a
 longilobum, 87a
 packardae, 87b
 shockleyi, 87a
 typicum, 87a
 shoshoense, 223
 simpsonii, 1b
 floccoso-lanatum, 106
 siskiyouense, 114
 smithii, 11
 soledium, 85
 spathuiforme, 50
 spathulare, 1a
 spathulatum, 41
 brandegei, 45
 natum, 43
 panguicense, 54a
 spathuiforme, 50
 typicum, 41
 speciosum, 111q
 spergulinum, 205
 pratense, 205c
 reddingianum, 205a
 spergulinum, 205b
 typicum, 205b
 sphaerocephalum, 124
 brevifolium, 121
 fasciculifolium, 124b
 geniculatum, 124a
 halimioides, 124c
 megacephalum, 124a
 minimum, 122
 sericoleucum, 127
 sphaerocephalum, 124a
 tenuc, 125b
 typicum, 124a
 spinescens, 251
 stellatum, 111s
 bahiiforme, 111z
 stokesae, 104
 strictum, 102
 anserinum, 102d
 argenteum, 102a
 bellum, 102a
 cusickii, 102a
 flavissimum, 102d
 glabrum, 102c
 greenci, 102b
 lachnostegium, 103
 proliferum, 102A, 102a
 strictum, 102B
 tenuc, 125b
 typicum, 102B
 subalpinum, 111r
 arachnoideum, 111j
 cladophorum, 111b
 stenophyllum, 111r
 subnivale, 111r
 vulcanicum, 111r
 subreniforme, 199
 suffruticosum, 29
 sulcatum, 33h
 argense, 33g
 sulphureum, 96m

- taxifolium, 89c
 temblorense, 216
 tenellum, 101a, 190
 caulescens, 190b
 cottamii, 37d
 erianthum, 1h
 grandiflorum, 1a
 leptocladon, 190a
 ostlundii, 50
 platyphyllum, 190c
 ramosissimum, 190b
 sessiliflorum, 1a
 tenellum, 190a
 typicum, 190a
 tenue, 125b
 tenuissimum, 169
 ternatum, 115
 congdonii, 117
 tetraneuris, 55
 texanum, 109a
 thomasii, 195
 thompsonae, 18
 albiflorum, 18b
 atwoodii, 18c
 matthewsae, 18d
 thompsonae, 18a
 thurberi, 194
 acutangulum, 209
 parishii, 194
 thymoides, 122
 congestum, 122
 pallens, 122
 typicum, 122
 tiehmii, 62
 tolmieanum, 113b
 tomentosum, 110
 torreyanum, 111c
 trachygonum, 89b
 dentatum, 89d
 glomerulum, 89a
 membranaceum, 89c
 pringlei, 89f
 subscaposum, 89h
 taxifolium, 89e
 typicum, 89b
 wrightii, 89a
 trichopes, 161
 clavatum, 161a
 cordatum, 166
 glandulosum, 166
 glaucum, 158a
 hooveri, 161b
 minus, 161a
 repens, 160
 rubicaule, 176
 trichopes, 161a
 typicum, 161a
 trichopodium, 161a
 minor, 161a
 trichotomum, 111z
 trilobatum, 249
 trinervatum, 172
 tripodum, 121
 triste, 153a
 tristichum, 17a
 truncatum, 218
 adsurgens, 215
 tumulosum, 84
 turbinatum, 180c
 turneri, 133
 twisselmannii, 126
 umbellatum, 111
 argus, 111v
 aridum, 111j
 aureum, 111c
 bahiiforme, 111z
 californicum, 111f
 chlorothamnus, 111y
 chrysanthum, 111s
 cladophorum, 111b
 cognatum, 111bb
 covillei, 111h
 crandalii, 111a
 croceum, 111s
 desereticum, 111k
 devestivum, 111t
 dichrocephalum, 111j
 dumosum, 111n
 ferrissii, 111x
 furcosum, 111u
 glaberrimum, 111dd
 glabratum, 111c
 goodmanii, 111o
 hausknechtii, 111i
 humistratum, 111p
 hypoleium, 111e
 smallianum, 111z
 munzii, 111w
 intectum, 111c
 juniporinum, 111aa
 majus, 111r
 minus, 111m
 modocense, 111n
 monocephalum, 113b
 nevadense, 111f
 polyanthum, 111n
 polypodum, 131
 porteri, 111d
 serratum, 120a
 speciosum, 111q
 stellatum, 111s
 subalpinum, 111r
 subaridum, 111x
 ternatum, 115
 tolmieanum, 113b
 torreyanum, 111cc
 typicum, 111a
 umbellatum, 111a
 vernum, 111g
 versicolor, 111l
 umbelliferum, 111c
 undulatum, 132g
 ursinum, 118
 confine, 115
 congdonii, 117
 covillei, 111h
 nervulosum, 119
 rosulatum, 129
 typicum, 118
 venosum, 131
 vagans, 207a
 variabile, 211
 vegetius, 132a
 verrucosum, 72
 verticillatum, 227a
 vespinum, 109a
 vestitum, 217
 villiflorum, 83
 candidum, 87a
 tumulosum, 84
 typicum, 83
 vimineum, 223
 adsurgens, 215
 agninum, 228b
 aviculare, 224
 baileyi, 229a
 brachyanthum, 231
 californicum, 222d
 caninum, 222d
 cithariforme, 228a
 commixtum, 229b
 covilleanum, 220
 davidsonii, 224
 densum, 236
 divergens, 223
 elegans, 230
 eriodadon, 237
 glabrum, 224
 gracile, 227a
 jucinellum, 224
 luteolum, 22a
 molestum, 225
 multiradiatum, 229a
 nidularium, 234
 nortonii, 221
 oregonense, 223
 polycladon, 236
 polygonoides, 228b

- porphyreticum, 229a
 restioides, 229a
 rigescens, 223
 salicornioides, 202
 shoshoense, 223
 typicum, 223
 virgatum, 226
 vineum, 101e
 virgatum, 226
 roseum, 226
 rubidum, 226
 viridescens, 210
 viridulum, 39
 viscanum, 147
 viscidulum, 200
 visherii, 170
 vollmeri, 88c
 wasatchense, 37c
 watsonii, 187
 wetherillii, 198
 wrightii, 89
 curvatum, 89h
 dentatum, 89d
 floccosum, 89a
 glomerulum, 89a
 helianthemifolium, 89a
 membranaceum, 89c
 nodosum, 89g
 olanchense, 89i
 oresbium, 89j
 pringlei, 89f
 subscaposum, 89h
 taxifolium, 89e
 trachygonum, 89b
 typicum, 89a
 wrightii, 89a
 xanthum, 132b
 zapatoense, 23
 zionis, 95
 coccineum, 95b
 zionis, 95a
- Eucycla**
 ovalifolia, 101b
 purpurea, 101a
- Gilmania**, 6
 luteola, 252
- Goodmania**, 5
 luteola, 251
- Harfordia**, 16
 fruticosa, 315b
 galioides, 315a
 macroptera, 315
 fruticosa, 315b
 galioides, 315a
 macroptera, 315c
- Hollisteria**, 14
- lanata**, 311
- Lastarnaea**, 15
 chilensis, 314
 californica, 312
 coriacea, 312
 linearis, 314
 ptilota, 313
 stricta, 314
- Mucronea**, 9
 californica, 305
 suksdorfii, 305
 perfoliata, 306
 opaca, 306
- Nemacaulis**, 7
 denudata, 253
 denudata, 253a
 gracilis, 253b
 foliosa, 253a
 nuttallii, 253a
- Oxythea**, 4
 abramsii, 247d
 Acanthoscyphus, 411
 caryophylloides, 248
 dendroidea, 244
 chilensis, 244B
 dendroidea, 244A
 foliosa, 244A
 hillmanii, 244A
 tonsiflora, 244B
 emarginata, 250
 foliosa, 244A
 glandulosa, 166
 hirtiflora, 206
 inermis, 207a
 insignis, 310
 luteola, 251
 Oxythea, 41
 Neoxythea, 4111
 parishii, 247
 abramsii, 247d
 cienegensis, 247b
 goodmaniana, 247c
 parishii, 247a
 perfoliata, 246
 reddingiana, p. 205a
 spergulina, 205b
 spiculata, 244B
 trilobata, 249
 watsonii, 245
- Phyllogonum**
 luteolum, 252
- Pterogonum**
 alatum, 153a
 atrorubens, 143a
 hieracifolium, 152
- Pterostegia**, 17
- diphylla, 316
 biloba, 316
 drymaroides, 316
 macroptera, 315c
 microphylla, 316
- Sanmartinia**
 ameghinoides, 238
- Stenogonum**, 3
 flexum, 242
 salsuginosum, 243
- Systemothea**, 10
 vortnedci, 307

IMPORTANT SYSTEMATIC LITERATURE ON THE ERIOGONOIDEAE

- Abrams, L. 1944. Illustrated flora of the Pacific States. Vol. 2. Stanford: Stanford Univ. Press.
- Barneby, R. C. 1949. *Eriogonum villiflorum* and its near relatives in the Great Basin. Leaflet. W. Bot. 5: 151-154.
- Bentham, G. 1836. On the Eriogoneae, a tribe of the order Polygonaceae. Trans. Linn. Soc. London 17: 401-420.
- _____. 1856. "Eriogoneae," pp. 5-28. In: A. de Candolle (edit.), *Prodromus systematis naturalist regni vegetabilis*. Vol. 14. Paris: Victor Masson.
- Brandege, M. K. Notes on Eriogoneae. *Erythea* 5: 79-81.
- Coville, F. V. 1936. *Gilmania*, a new name for *Phyllogonum*, a very rare genus of plants from Death Valley, California, apparently in process of extinction. J. Wash. Acad. Sci. 26: 209-213.
- _____. & C. V. Morton. 1936. *Eriogonum intrafractum*, a new species and new subgenus from Death Valley, California. J. Wash. Acad. Sci. 26: 303-306.
- Curran, M. K. 1885. Classification of the Eriogoneae as affected by some connecting forms. Bull. Calif. Acad. Sci. 1: 272-275.
- Dammer, U. 1892. Polygonaceae. Nat. Pflanzenfam. 3(1a): 1-36.
- Dumortier, B. C. J. 1829. Analyse des familles des plantes. Tournay: J. Casterman.
- Ertter, B. J. 1980. A revision of the genus *Oxytheca* Nutt. (Polygonaceae). Brittonia 32: 70-102.
- _____. Notes on *Goodmania* and *Oxytheca* (Polygonaceae: Eriogonoideae). Brittonia 33: 37-38.
- Fosberg, F. R. 1938. *Eriogonum abertianum* and its varieties. Madroño 4: 189-194.
- Gandoger, M. 1906. Le genre *Eriogonum* (Polygonaceae). Bull. Soc. Bot. Belgique 42: 183-200.
- Goodman, G. J. 1934. A revision of the North American species of the genus *Chorizanthe*. Ann. Missouri Bot. Gard. 21: 1-102.
- _____. 1939. A new species of *Chorizanthe*. Leaflet. W. Bot. 2: 193-195.
- _____. 1943. Notes on *Chorizanthe*. Leaflet. W. Bot. 3: 230.
- _____. 1947. A new *Eriogonum* from the southeast. Bull. Torrey Bot. Club 74: 329-331.
- _____. 1948. Notes on *Eriogonum*. Amer. Midl. Naturalist 39: 498-504.
- _____. 1955. The genus *Acanthogonum*, tribe Eriogoneae. Leaflet. W. Bot. 7: 234-235.
- _____. 1957. The genus *Centrostegia*, tribe Eriogoneae. Leaflet. W. Bot. 8: 125-128.
- Greene, E. L. 1897. New species of *Eriogonum*. Pittonia 3: 199-201.
- _____. 1902. New species of *Eriogonum*. Pittonia 5: 67-71.
- _____. 1910. Three new eriogonum. Muhlenbergia 6: 1-3.
- Gross, H. 1913a. Beiträge zur Kenntnis der Polygonaceen. Bot. Jahrb. Syst. 49: 234-339.
- _____. 1913b. Polygonaceae nonullae novae. Bot. Jahrb. Syst. 49: 340-348.
- Heller, A. A. 1907. Compilations. The genus *Eriogonum* by Michael Gandoger. Muhlenbergia 3: 83-96.
- Hardham, C. B. 1964. A new California *Chorizanthe*. Leaflet. W. Bot. 10: 95-96.
- _____. 1989. Chromosome numbers of some annual species of *Chorizanthe* and related genera (Polygonaceae: Eriogonoideae). Phytologia 66: 89-94.
- Hess, W.J. & J.L. Reveal. 1977. A revision of *Eriogonum* (Polygonaceae) subgenus *Pterogonum*. Great Basin Naturalist 36: 281-333.
- Hitchcock, C. L. 1964. Polygonaceae. Univ. Wash. Publ. Biol. 17(2): 102-182.
- _____. & A. Cronquist. Flora of the Pacific Northwest. Seattle: Univ. Washington Press.
- Hooker, J. D. 1880. "Polygonaceae," pp. 88-105. In: G. Bentham & J. D. Hooker, *Genera plantarum*. Vol. 3. London: L. Reeves and Co.
- Howell, J. T. 1950. Variation in *Eriogonum spergulinum*. Leaflet. W. Bot. 6: 75-81.
- _____. 1952a. *Eriogonum* notes. Leaflet. W. Bot. 6: 177-170.
- _____. 1952b. *Eriogonum* notes II. *E. polypodum*. Leaflet. W. Bot. 6: 177-170.
- _____. 1952c. *Eriogonum* notes III: Confusions in *E. ursinum*. Leaflet. W. Bot. 6: 225-229.
- _____. 1955. *Eriogonum* notes IV: A new species from California. Leaflet. W. Bot. 7: 237-238.
- _____. 1956. *Eriogonum* notes V: *E. glandulosum*, with a new variety. Leaflet. W. Bot. 8: 37-39.
- _____. 1963. *Eriogonum* notes VI: Varieties of *E. douglasii* and *E. ochrocephalum*. Leaflet. W. Bot. 10: 13-15.
- _____. 1976. *Eriogonum* notes VII. *Mentzelia* 1: 17-22.
- Jaretzky, R. 1925. Beiträge zur systematik der Polygonaceae unter berücksichtigung des oxymethyl-anthrachinon-vorkommens. Repert. Spec. Nov. Regni Veg. 22: 49-83.
- Jepson, W. L. 1913. Polygonaceae. Fl. Calif. 1: 376-428.
- _____. 1923. A new species of *Eriogonum* from California. Madroño 1: 115.

- _____. 1925. Manual of the flowering plants of California. Berkeley: Student Store.
- Jones, M. E. 1898. *Eriogonum*. Contr. W. Bot. 8: 39.
- _____. 1903. *Eriogonum*. Contr. W. Bot. 11: 4-18.
- _____. 1908. *Eriogonum*. Contr. W. Bot. 12: 73-74.
- _____. 1933. *Eriogonum*. Contr. W. Bot. 18: 34-35.
- Mason, H. L. 1938. A hybrid *Eriogonum*. Madroño 4: 290.
- Michaux, A. 1803. Flora boreali-americana. Paris: C. Crapelet.
- Munz, P. A. 1949. California miscellany. I. Aliso 2: 77-86.
- _____. 1958. California miscellany. IV. Aliso 4: 87-100.
- _____. 1959. A California flora. Berkeley: Univ. California Press.
- Nuttall, T. 1817. Observations on the genus *Eriogonum* and the natural order Polygonaceae of Jussieu. J. Acad. Nat. Sci. Philadelphia 1: 24-31, 33-37.
- _____. 1848. Descriptions of plants collected by Mr. William Gambel in the Rocky Mountains and Upper California. Proc. Acad. Nat. Sci. Philadelphia 4: 7-26.
- Parry, C. C. 1884. *Chorizanthe* R. Brown. Revision of the genus, and rearrangement of the annual species - with one exception, all North American. Proc. Davenport Acad. Nat. Sci. 4: 45-63.
- _____. 1885. Notes on *Chorizanthe lastarriæa*, Parry. W.-Amer. Sci. 1: 29-31.
- _____. 1886a. *Harfordia* Greene and Parry. A new genus of Eriogonaceae from Lower California. Proc. Davenport Acad. Nat. Sci. 5: 26-28.
- _____. 1886b. *Lastarriæa*, Rémy. Confirmation of the genus, with characters extended. Proc. Davenport Acad. Nat. Sci. 5: 35-36.
- _____. 1889. *Chorizanthe*, R. Brown. Review of certain species heretofore improperly characterized or wrongly referred; with two new species. Proc. Davenport Acad. Nat. Sci. 5: 174-184.
- Rémy, J. 1851-1852. "Polygoneas," pp. 263-293. In: C. Gay, Historia física y política de Chile ... Botánica. Vol. 5, part 3. Paris: E. Thunot y Ca.
- Reveal, J.L. 1965. *Eriogonum*. In: Documented chromosome numbers of plants. Madroño 18: 124.
- _____. 1965. A new alpine *Eriogonum* from Nevada. Leaf. W. Bot. 10: 183-186.
- _____. 1966. On the specific distinction of *Eriogonum nutans* and *collinum*. Madroño 18: 167-173.
- _____. 1966. Notes on *Eriogonum* - I. Leaf. W. Bot. 10: 334-335.
- _____. 1967. Notes on *Eriogonum* - II. Variations in *Eriogonum arorubens*. Sida 3: 82-86.
- _____. 1967. Notes on *Eriogonum* - III. On the status of *Eriogonum pauciflorum* Pursh. Great Basin Naturalist 27: 102-117.
- _____. 1967. *Eriogonum*. In: Documented chromosome numbers of plants. Madroño 19: 134-136.
- _____. 1968. Notes on *Eriogonum* - IV. A revision of the *Eriogonum deflexum* complex. Brittonia 20: 13-33.
- _____. 1968. Notes on *Eriogonum* - V. A revision of *Eriogonum corymbosum* complex. Great Basin Naturalist 27: 183-229.
- _____. 1968. Notes on the Texas eriogonums. Sida 3: 195-205.
- _____. 1969. "The subgeneric concept in *Eriogonum* (Polygonaceae)," pp. 229-249. In: J. Gunckel (ed.), Current topics in plant science. New York: Academic Press.
- _____. 1969. New species of *Eriogonum* from Utah. Madroño 19: 289-300.
- _____. 1969. A new perennial buckwheat (*Eriogonum*, Polygonaceae) from southeastern Arizona. J. Ariz. Acad. Sci. 5: 222-225.
- _____. 1970. Additional notes on the California buckwheats (*Eriogonum*, Polygonaceae). Aliso 7: 217-230.
- _____. 1971. Notes on *Eriogonum* - VI. A revision of the *Eriogonum microthecum* complex (Polygonaceae). Brigham Young Univ. Sci. Bull., Biol. Ser. 13(1): 1-45.
- _____. 1972. Two new species of *Eriogonum* (Polygonaceae) from California and adjacent states. Aliso 7: 415-519.
- _____. 1972. Descriptions of new species and combinations in *Eriogonum* (Polygonaceae). Phytologia 23: 163-178.
- _____. 1973. *Eriogonum* (Polygonaceae) of Utah. Phytologia 25: 169-217.
- _____. 1974. Two shrubby novelties in *Eriogonum* (Polygonaceae) from the deserts of Utah and Arizona. Brittonia 26: 90-94.
- _____. 1975. *Eriogonum* (Polygonaceae) novelties from Baja California, Mexico. Brittonia 28: 337-340.
- _____. 1976. *Eriogonum* (Polygonaceae) of Arizona and New Mexico. Phytologia 34: 409-484.
- _____. 1978. "Distribution and phylogeny of Eriogonoideae (Polygonaceae)," pp. 169-190. In: K.T. Harper, & J.L. Reveal (eds.), Intermountain biogeography: A symposium. Great Basin Naturalist Memoirs, No. 2 Provo, Utah: Brigham Young University Press.

- _____. 1980. The genus *Eriogonum* Michx. (Polygonaceae) and Michel Gandoger. *Great Basin Naturalist* 40: 143-148.
- _____. 1981. *Eriogonum divaricatum* Hook. (Polygonaceae), an Intermountain species in Argentina. *Great Basin Naturalist* 41: 143-146.
- _____. 1981. Notes on endangered buckwheats (*Eriogonum*: Polygonaceae) with three newly described from the western United States. *Brittonia* 33: 441-448.
- _____. 1983. The Demoulin Rule and newly mandated combinations in *Eriogonum* (Polygonaceae). *Taxon* 32: 292-295.
- _____. 1985. New Nevada entities and combinations in *Eriogonum* (Polygonaceae). *Great Basin Naturalist* 45: 276-280.
- _____. 1985. Types of Nevada buckwheats (*Eriogonum*: Polygonaceae). *Great Basin Naturalist* 45: 488-492.
- _____. 1985. An annotated key to *Eriogonum* (Polygonaceae) of Nevada. *Great Basin Naturalist* 45: 493-519.
- _____. 1989. Notes on selected genera related to *Chorizanthe* (Polygonaceae: Eriogonoideae). *Phytologia* 66: 199-220.
- _____. 1989. A review of the genus *Harfordia* (Polygonaceae: Eriogonoideae). *Phytologia* 66: 221-227.
- _____. 1989. Remarks on the genus *Pterostegia* (Polygonaceae: Eriogonoideae). *Phytologia* 66: 228-235.
- _____. 1989. Notes on selected genera related to *Eriogonum* (Polygonaceae: Eriogonoideae). *Phytologia* 66: 236-245.
- _____. 1989. New combinations and novelties in *Eriogonum* (Polygonaceae: Eriogonoideae). *Phytologia* 66: 251-265.
- _____. 1989. The eriogonoid flora of California (Polygonaceae: Eriogonoideae). *Phytologia* 66: 295-416.
- _____. & B.J. Ertter. 1977. *Goodmania* (Polygonaceae), a new genus from California. *Brittonia* 28: 427-429.
- _____. 1977. Re-establishment of *Stenogonum* (Polygonaceae). *Great Basin Naturalist* 36: 272-280.
- _____. 1980. The genus *Nemacaulis* (Polygonaceae). *Madroño* 27: 101-109.
- _____. & C.B. Hardham. 1989. Three new monospecific genera of Polygonaceae subfamily Eriogonoideae from California. *Phytologia* 66: 83-88.
- _____. 1989. A revision of the annual species of *Chorizanthe* (Polygonaceae: Eriogonoideae). *Phytologia* 66: 98-198.
- _____. & J.T. Howell. 1976. *Dedeckera* (Polygonaceae), a new genus from California. *Brittonia* 28: 245-251.
- _____. & P.A. Munz. 1968. "*Eriogonum*," pp. 33-72. In: P.A. Munz, Supplement to A California Flora. Berkeley: University of California Press.
- Roberty, G. & S. Vautier. 1964. Les genres de Polygonaceae. *Boissiera* 10: 7-128.
- Shield, O. & J.L. Reveal. 1988. Sequential evolution of *Eupholotes* (Lycaenidae: Scolitantidini) on their plant host *Eriogonum* (Polygonaceae: Eriogonoideae). *J. Linn. Soc., Biol.* 33: 51-93.
- St. John, H. & F. A. Warren. 1929. *Eriogonum compositum* and its variations. *Res. Stud. State Coll. Wash.* 1: 84-89.
- Small, J. K. 1898. Studies in North American Polygonaceae. I. *Bull. Torrey Bot. Club* 25: 40-53.
- _____. 1906. Studies in North American Polygonaceae. II. *Bull. Torrey Bot. Club* 33: 51-57.
- Smith, J. E. 1809. *Eriogonum*. *Cycl.* 13(26): unpagged.
- Stebbins, G. L. 1942. Polyploid complexes in relation to ecology and the history of floras. *Amer. Naturalist* 76: 36-45.
- Stokes, S. G. 1900. A new *Chorizanthe* from Lower California. *Zoe* 5: 60.
- _____. 1932. New western eriogonums. *Leafl. W. Bot.* 1: 29-30.
- _____. 1933. New western eriogonums. II. *Leafl. W. Bot.* 1: 34-36.
- _____. 1936. The genus *Eriogonum*, a preliminary study based on geographical distribution. San Francisco: J. H. Neblett Press.
- _____. 1937a. Further studies in *Eriogonum*. I. *Leafl. W. Bot.* 2: 45-48.
- _____. 1937b. Further studies in *Eriogonum*. II. *Leafl. W. Bot.* 2: 52-53.
- _____. 1938. Further studies in *Eriogonum*. III. *Leafl. W. Bot.* 2: 72.
- _____. 1941. Further studies in *Eriogonum*. IV. *Leafl. W. Bot.* 3: 15-18.
- _____. 1943. Further studies in *Eriogonum*. V. *Leafl. W. Bot.* 3: 200-202.
- _____. & G. L. Stebbins. 1955. Chromosome numbers in the genus *Eriogonum*. *Leafl. W. Bot.* 7: 228-233.
- Torrey, J. & A. Gray. 1870. A revision of the Eriogoneae. *Proc. Amer. Acad. Arts* 8: 145-200.
- Walpers, G. G. 1852. Ordo CLXXIV. Eriogonaceae Wlprs. *Ann. Bot. Syst.* 3: 297.
- Watson, S. 1877. Descriptions of new species of plants, with revisions of *Lychnis*, *Eriogonum* and *Chorizanthe*. *Proc. Amer. Acad. Arts* 12: 246-278.
- Welsh, S. L. 1984. Utah flora: Polygonaceae. *Great Basin Naturalist* 44: 519-557.
- Wiggins, I. W. 1980. Flora of Baja California. Stanford: Stanford Univ. Press.